Commonwealth of Pennsylvania.

BULLETIN No. 198

FARMERS'

Institutes in Pennsylvania

TO BE HELD UNDER THE
AUSPICES OF

The Pennsylvania Department of Agriculture

COMPILED BY

A. L. MARTIN, DIRECTOR OF INSTITUTES

SEASON 1910–1911

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Commonwealth of Pennsylvania.

BULLETIN No. 198

FARMERS' INSTITUTES IN PENNSYLVANIA

TO BE HELD UNDER THE AUSPICES OF THE DEPARTMENT OF AGRICULTURE OF THE STATE OF PENNSYLVANIA DURING THE SEASON OF 1910-1911

ACT OF THE LEGISLATURE OF MARCH 13, 1895.

"Section 5. That it shall be the duty of the Superintendent of Institutes to arrange them in such manner as to time and places of holding the same as to secure the greatest economy and efficiency of service, and to this end he shall, in each county where such institutes are to be held, confer and advise with the local member of the State Board of Agriculture, together with representatives duly appointed by each county agricultural, horticultural and other like organizations with reference to the appointment of speakers and other local arrangements."

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LETTER OF TRANSMITTAL

DEPARTMENT OF AGRICULTURE

Harrisburg, Pa., *Aug. 1, 1910.*

Hon. N. B. Critchfield, *Secretary of Agriculture:*

Dear Sir: In accordance with the provisions of the Act creating the Department of Agriculture, I have the honor to present herewith the schedule of Farmers' Institutes of Pennsylvania for the season of 1910-1911; also, a complete list of lecturers, with their subjects and their assignments.

Very respectfully,

A. L. MARTIN,
Director of Institutes.

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF AGRICULTURE

DIVISION OF INSTITUTES

Harrisburg, Pa., *Aug. 1, 1910.*

To the County Chairmen and Boards of Institute Managers in the Several Counties of Pennsylvania:

Gentlemen: In presenting this annual Bulletin, we desire to express approval of the work accomplished by most of our County Institute Managers and the committees organized by them, to whom much credit is due for the high degree of success attending the last season's Institutes. We respectfully invite your careful attention to "Suggestions and Directions" on the following pages, which are prepared with reference to the requirements and demands of persons filling the position of County Chairman of Institutes.

A WORD TO INSTITUTE MANAGERS AND PROGRAM COMMITTEES

PLEASE READ CAREFULLY THE FOLLOWING DIRECTIONS BEFORE ARRANGING PROGRAMS FOR INSTITUTES

1. We recommend that programs for all the Institutes held within a county be printed on connected leaves or sheets. This practice is recommended because of economy in cost of printing, also the wider advertising of the different institutes held within the county.

2. Prepare program at least thirty days before the date of Institute.

3. Arrangements should be made with persons in your locality who are to take part on the program either by essay, or address or reading, at least eight weeks previous to the meeting.

4. Have a Question Box, and place it in charge of some competent person who will carefully conduct the same; retain said questions and forward them to the Director of Institutes.

5. Exclude from Institutes all sectarian and partisan topics.

6. Print on program the name and postoffice address of Chairman and members of Committees.

7. Thoroughly advertise the Institute by distributing programs, invitation postal cards, posters, and make use of your local newspapers.

8. Select a competent secretary to take notes and report proceedings of meeting to local papers.

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9. Invite representatives of newspapers to a place at Recording Secretary's table, and solicit their aid and assistance in reporting proceedings of meeting.

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10. For a two-day Institute, provide for five sessions, taking up not more than two topics at any one session, and where local speakers have places on program, the committee should be careful and see to it that their subjects shall conform to the topics under consideration at that particular session.

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11. Locate Institutes where a suitable hall or church can be procured and the greatest number accommodated, as these meetings are for the benefit of farmers and their families and all others who may be interested.

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12. Extend a personal invitation to your County Superintendent of Public Schools to be present and take part, especially at the educational session, without which no Institute is complete. Invite all farm organizations, school teachers and children. See to it that young men and boys have a special invitation to the Institute.

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13. At least three State speakers will be in attendance, and a list of topics which they are prepared to discuss can be found in another part of this Bulletin. From this list the Committee on Program should select such topics as would most interest the farmers in their section, and place same opposite the lecturer's name on program.

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14. The County Chairman should, as soon as arrangements are completed for holding Institute, enclose to all lecturers expected to be present, a copy of program, with letter designating what railroad station to stop at, and the name of the hotel secured for their accommodation. In case Institute is held at a distance from railroad, speakers must be met by conveyance and taken to Institute. The expense of getting from and to such stations is paid from funds placed in hands of County Chairman.

15. Remember, the Institute is for the whole county and not merely for the town or locality where held. Begin advertising and do not fail to let the public know of your meeting.

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16. The State is divided into five sections. Beginning November 21, five Institutes will be in session at the same time. Three State speakers will be present at all Institutes, one of whom will be a special representative of the Department and have charge of the section, and may be regarded as an assistant to the presiding officer in the performance of his duties.

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17. It is important that the Chairman of County Board of Institute Managers make a complete report of his Institutes, and mail same to the Director of Institutes as soon as possible after the close of the Institutes. Blanks for this purpose will be forwarded him. All essays of merit, read before Institutes, should be collected by the County Chairman, and forwarded to the Director of Institutes. A number of these essays are published annually in bulletin form, and we regret that space forbids that all can not be published. In selecting essays for publication we find many treating upon the same topic, all of which are meritorious, yet space would forbid the publication of more than one essay upon a given topic. These papers are placed on file for future reference.

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18. Attention of Institute Managers and Program Committees is especially called to the plan of assigning speakers in the various sections. The leader of the section will be found at head of tabulated list of Places and Additional Lecturers, will be found at right of place where institutes will be held. Do not make the mistake as some Committees have done and overlook the leader of the section, but place his name on the program in like manner as other speakers are assigned.

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19. The County Chairman should take personal charge of the meeting or select a person who is well qualified to fill the position.

20. The opening exercises should be brief, not consuming more than 30 minutes and may consist of an address of welcome and response or a brief address by the Chairman introducing the speakers who come from a distance.

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21. Two topics thoroughly discussed at one session affords the opportunity for more effective instruction than three of four only partially presented.

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22. At Educational Session, confine all discussions to that important subject, whether the speakers be State or local.

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23. Where two evening sessions are held, have one devoted to Educational Subjects and the other to the interests of the County Home, Its Comforts, Sanitary Conditions and Adornments.

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24. Music, properly conducted, is in place at the Institute, but should be introduced as a recreation and be voluntary as no fund is set apart for this purpose.

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25. The amount of money to be distributed to the various managers for local expenses, will be according to the number of days of institutes held. In order to make the amount ample for the coming season, the sum has been fixed at $12.50 per day of institute. This provides $25.00 for each two days of institute, to be used for local expenses, such as printing programs, rent of halls, necessary expenses of local managers, etc.

DIRECTIONS FOR CONSTITUTING LOCAL COMMITTEES ON INSTITUTE WORK IN THE SEVERAL COUNTIES OF PENNSYLVANIA

The act of March 13, 1895 (Section 5), makes the following provisions: "That it shall be the duty of the Superintendent of Institutes to arrange them in such manner as to time and places of holding the same, as to secure the greatest economy and efficiency of service, and to this end he shall, in each county where such institutes are to be held, confer and advise with the local member of the State Board of Agriculture, together with the representatives duly appointed by each county agricultural, horticultural or other like organizations, with reference to the appointment of speakers and other local arrangements."

In order to carry this provision of the law into effect, the Director of Institutes directs that these representatives, one from each county organization as stated, duly chosen and properly accredited, together with the County Chairman of Institutes, shall constitute a Board of County Institute Managers, of which the County Chairman of Institutes shall be the Chairman of the said Board. The organizations entitled to representation, are members of the State Board of Agriculture, County Agricultural and Horticultural Societies, Pomona Granges and County Alliances.

The duty of this Board shall be to confer and advise with each other and the Director of Institutes, with reference to the appointment of speakers and other local arrangements for holding institutes.

It shall be the duty of each county organization named to notify the Director of Institutes of the appointment of its representatives, and at the same time give a similar notice to the County Chairman of Institutes.

The County Chairman of Institutes, together with these representatives of the county organizations, shall meet for organization on the second Tuesday in June in each year, at one o'clock P. M., in the county town, at the office of the county commissioners. At this meeting the places for holding institutes for the ensuing season shall be selected, the same to be subject to the approval of the Director of Institutes. An institute committee will also be appointed at this time, for each locality in which institutes are to be held.

The County Chairman of Institutes, and each duly accredited representative of the county organizations in attendance upon this meeting shall, upon the certificate of the Chairman of the Board of Managers, be paid his expenses, not to exceed two dollars.

In these meetings every member shall have equal voice, and the action of the majority shall decide. Notice of the action of the Board shall be sent by the Chairman to the Director of Institutes, within ten days after the meeting.

In case no representative from any county organization of that county shall appear at the meeting on the second Tuesday of June, as stated, then the County Chairman of Institutes shall immediately report the fact to the Director of Institutes and proceed to arrange for the holding of institutes that year, without further consultation with the local organizations.

All moneys alloted to any county, for use in institute work, will be paid to the chairman of the local committee, to be accounted for by him in an itemized statement, audited and signed by auditors appointed by the committee, and then forwarded to this Department, not later than the first day of May in each year.

APPORTIONMENT FOR 1910-1911.

Section 1.		Section 2.		Section 3.		Section 4.		Section 5.	
County.	Days.	COUNTY.	Days.	COUNTY.	Days.	COUNTY.	Days.	COUNTY.	Days.
Adams,	6	Bedford,	6	Allegheny,	6	Bradford,	8	Berks,	8
Chester,	12	Blair,	6	Armstrong,	6	Clarion,	6	Bucks,	10
Cumberland,	8	Cambria,	6	Butler,	6	Clinton,	6	Carbon.	6
Dauphin,	6	Center,	6	Beaver,	6	Cameron,	4	Columbia,	8
Delaware,	6	Clearfield,	6	Crawford,	10	Elk,	4	Lehigh,	8
Franklin,	6	Fulton,	4	Fayette,	6	Erie,	8	Luzerne,	6
Lancaster,	16	Huntingdon,	8	Greene,	4	Forest,	4	Lackawanna,	12
Lebanon,	8	Juniata,	4	Indiana,	8	Jefferson,	4	Monroe,	5
Perry,	6	Mifflin,	4	Lawrence,	8	Lycoming,	6	Northampton,	6
Philadelphia,	2	Montour,	4	Mercer,	6	McKean,	6	Pike,	4
York,	14	Northumberland,	6	Venango,	4	Potter,	8	Schuylkill,	8
		Snyder,	4	Washington,	6	Sullivan,	4	Susquehanna,	7
		Somerset,	6	Westmoreland,	9	Tioga,	10	Wayne,	7
		Union,	4			Warren,	6	Montgomery,	9
						Wyoming,	4		
	90		74		85		88		104

COMPLETE LIST OF

PENNSYLVANIA FARMERS' INSTITUTES,

SESSON OF 1910-1911.

GIVING THE COUNTIES IN ALPHABETICAL ORDER, AND THE NAMES AND ADDRESS OF THE CHAIRMAN OF EACH COUNTY; ALSO POSTOFFICE AND RAILROAD STATION OF PLACE WHERE INSTITUTES ARE HELD.

County.	Place.	Post Office.	Railroad Station.	Date.	Chairmen of Institutes.
Adams,	New Oxford,	New Oxford,	New Oxford,	Dec. 26–27,	A. I. Weidner, Arendtsville.
	York Springs,	York Springs,	Gardners,	Dec. 28–29,	
	Arendtsville,	Arendtsville,	Biglersville,	Dec. 30–31,	
Allegheny,	New Texas,	New Texas,	New Texas,	Jan. 9–10,	A. J. Purdy, Imperial, R. F. D.
	Montour Church,	Oakdale,	Cliffmine,	Jan. 11–12,	
	Bakerstown,	Bakerstown,	Bakerstown,	Jan. 13–14,	
Armstrong,	Dayton,	Dayton,	Dayton,	Feb. 15–16,	S. S. Blyholder, Kelly Station.
	Kittanning,	Kittanning,	Kittanning,	Feb. 17–18,	
	Worthington,	Worthington,	Kittanning,	Feb. 20–21,	
Beaver,	Mt. Pleasant Church,	New Sheffield,	Industry,	Dec. 26–27,	A. L. McKibben, New Sheffield.
	Hookstown,	Hookstown,	Smiths Ferry,	Dec. 28–29,	
	Grange Hall,	Beaver,	Beaver,	Dec. 30–31,	
Bedford,	Charlesville,	Everett R. F. D. No. 2.	Lutsville,	Nov. 30–Dec. 1,	D. W. Lee, Bedford.
	New Enterprise,	New Enterprise,	Osterburg,	Dec. 2–3,	
	Woodbury,	Woodbury,	Curry Station,	Dec. 5–6,	
Berks,	Geigertown,	Geiger's Mills,	Geigertown,	Jan, 30,	H. G. McGowan, Geigers Mills.
	Beekersville,	Beekersville,	Geigertown,	Jan. 31,	
	Mt. Aetna,	Bethel,	Womelsdorf,	Feb. 1–2,	
	Kutztown,	Kutztown,	Kutztown,	Feb. 3–4,	
	Amityville,	Athol,	Douglassville,	Feb. 6–7,	
Blair,	Bellwood,	Bellwood,	Bellwood,	Jan. 11–12,	H. F. Cox, Bellwood.
	Newry,	Newry,	Duncansville,	Jan. 13–14,	
	Williamsburg,	Williamsburg,	Williamsburg,	Jan. 16–17,	
Bradford,	Leroy,	LeRoy,	Towanda,	Dec. 30–31,	F. D. Kerriek, Towanda.
	Wilmot,	Wilmot,	Wyalusing,	Jan. 2–3,	
	Spring Hill,	Wyalusing,	Wyalusing,	Jan. 4–5,	
	Wysox,	Wysox,	Wysox,	Jan. 6–7,	

County.	Place.	Post Office.	Railroad Station.	Date.	Chairmen of Institutes.
Bucks,	Pineville,	Penns Park,	Wycombe,	Feb. 8–9,	Watson T. Davis, Ivyland.
	Doylestown,	Doylestown,	Doylestown,	Feb. 10–11,	
	Plumsteadville,	Plumsteadville,	Doylestown,	Feb. 13–14,	
	Richlandtown,	Richlandtown,	Quakertown,	Feb. 15–16,	
	Richboro,	Richboro,	Ivyland,	Feb. 17–18,	
Butler,	Jacksville,	Slippery Rock,	Portersville,	Jan. 2–3,	N. F. Bartley, Euclid.
	Muddy Creek,	Euclid,	Mercer Road,	Jan. 4–5,	
	West Sunbury,	West Sunbury,	Hooker,	Jan. 6–7,	
Cambria,	Patton,	Patton,	Patton,	Dec. 7–8,	James Westrick, Patton, R. F. D. No. 2.
	Loretto,	Loretto,	Loretto Roads,	Dec. 9–10,	
	Wilmore,	Wilmore,	Wilmore,	Dec. 12–13,	
Cameron,	Sinnamahoning,	Sinnamahoning,	Sinnamahoning,	Nov. 30,	W. H. Howard, Emporium.
	Sterling Run,	Sterling Run,	Sterling Run,	Dec. 1,	
	Rich Valley,		Rich Valley,	Dec, 2,	
	Sizerville,	Sizerville,	Sizerville,	Dec. 3,	
Carbon,	New Mahoning,	Lehighton,	Lehighton,	Feb. 6–7,	Edw. Leinhard, Mauch Chunk, R. F. D. No. 1.
	Stemlersville,	Weissport,	Weissport,	Feb. 8–9,	
	Weatherly,	Weatherly,	Weatherly,	Feb. 10–11,	
Centre,	Pleasant Gap,	Pleasant Gap,	Bellefonte,	Feb. 20–21,	John A. Woodward, Howard.
	Unionville,	Fleming,	Unionville,	Feb. 22–23,	
	Eagleville,	Blanchard,	Eagleville,	Feb. 24–25,	
Chester, (Movable Institute School.)	Unionville,	Unionville,	Kennett Square,	Jan. 30–Feb. 2,	M. E. Conard, Westgrove.
	Atglen,	Atglen,	Atglen,	Feb. 17–18,	
	Oxford,	Oxford,	Oxford,	March 1–2,	
	Doe Run,	Doe Run,	Doe Run,	March 3–4,	
	Cedarville,	Pottstown,	Pottstown,	March 6–7,	
Clarion,	Limestone,	Limestone,	New Bethlehem,	Feb. 14–15,	J. H. Wilson, Clarion.
	Reimersburg,	Reimersburg,	Reimershurg,	Feb. 16–17,	
	Lickingville,	Lickingville,	Leper,	Feb. 20–21,	
Clearfield,	Curwensville,	Curwensville,	Curwensville,	Feb. 27–28,	Peter Gearhart, Clearfield.
	Burnside,	Burnside,	Burnside,	March 1–2,	
	Du Bois,	Du Bois,	Du Bois,	March 3–4,	

Clinton,	Woolrich,	Woolrich,	Lock Haven,	Feb.	6–7,	Joel A. Herr, Millhall.
	Lamar,	Lamar,	Lamar,	Feb.	8–9,	
	Loganton,	Loganton,	Loganton,	Feb.	10–11,	
Columbia, (Movable Institute Schools.)	Berwick,	Berwick,	Berwick,	Jan.	4–7,	A. P. Young, Millville.
	Catawissa,	Catawissa,	Catawissa,	Jan.	6–10,	
Crawford, (Movable Institute School.)	Hartstown,	Hartstown,	Hartstown,	Jan.	13–17,	J. F. Seavy, Saegerstown.
	Brownhill,	Cambridge Springs,	Millers Station,	Jan.	30–31,	
	Blooming Valley,	Blooming Valley,	Meadville,	Feb.	1–2,	
	Black Ash,	Guys Mills,	Cochranton,	Feb.	3–4,	
Cumberland,	Middle Spring,	Shippensburg, R. F. D.	Shippensburg,	Jan.	16–17,	T. J. Ferguson, Mechanicsburg.
	Centerville,	Longsdorf,	Longsdorf,	Jan.	18–19,	
	New Kingston,	New Kingston,	New Kingston,	Jan.	20–21,	
	Hogestown,	Hogestown,	Mechanicsburg,	Jan.	30,	
	Churchtown,	Allen P. O.,	Churchtown,	Jan.	31,	
Dauphin,	Bachmanville,	Bachmanville,		Dec.	5,	Edward S. Keiper, Middletown.
	Hummelstown,	Hummelstown,	Hummelstown,	Dec.	6,	
	Linglestown,	Linglestown,	Harrisburg,	Dec.	7–8,	
	Gratz,	Gratz,	Gratz,	Dec.	9–10,	
Delaware,	Newtown Square,	Newtown Square,	Newtown Square,	Feb.	22–23,	E. J. Durnall, Swarthmore.
	Media,	Media,	Media,	Feb.	24–25,	
	Concordville,	Concordville,	Concordville,	Feb.	27–28,	
Elk,	Ridgway,	Ridgway,	Ridgway,	Nov.	25–26,	J. B. Werner, St. Marys.
	St. Marys,	St. Marys,	St. Marys,	Nov.	28–29,	
Erie, (Movable Institute School.)	Edinboro,	Edinboro,	Edinboro,	Jan.	11–14,	Archie Billings, Edinboro.
	Eureka Grange Hall,	Wattsburg,	North East,	Feb.	27–28,	
	Girard,	Girard,	Girard,	March	1–2,	
Fayette,	Flatwoods,	Vanderbilt R. F. D.,	Dickerson Run,	Dec.	2–3,	T. H. Smith, Dunbar, R. F. D. No. 32.
	Farmington,	Farmington,	Uniontown,	Dec.	5–6,	
	Morris Cross Roads,	Cheat Haven,	Gans,	Dec.	7–8,	
Forest,	Tionesta,	Tionesta,	Tionesta,	Feb.	22–23,	C. A. Randall, Tionesta.
	Hickory,	East Hickory,	West Hickory,	Feb.	24–25,	
Franklin,	Marion,	Marion,	Marion,	Jan.	2–3,	J. P. Young, Marion.
	Lemasters,	Lemasters,	Lemasters,	Jan.	4–5,	
	Dry Run,	Dry Run,	Richmond,	Jan.	6–7,	

DIVISION OF INSTITUTES.—Continued.

County.	Place.	Post Office.	Railroad Station.	Date.	Chairmen of Institutes.
Fulton,	Warfordsburg,	Warfordsburg,	Hancock, Md.,	Nov. 25–26,	J. L. Patterson, McConnellsburg.
	Needmore,	Needmore,	Hancock, Md.,	Nov. 28–29,	
Greene,	Graysville,	Harveys,	Waynesburg,	Nov. 21–22,	J. W. Stewart, Jefferson.
	Holbrook,	Holbrook,	Waynesburg,	Nov. 23–24,	
Huntingdon,	Warriors Mark,	Warriors Mark,	Warriors Mark,	Jan. 18–19,	G. G. Hutchison, Warriors Mark.
	Petersburg,	Petersburg,	Petersburg,	Jan. 20–21,	
	McAlveysfort,	Petersburg,	Petersburg,	March 6–7,	
	Orbisonia,	Orbisonia,	Orbisonia,	March 8–9,	
Indiana,	Cookport,	Cookport,	Lovejoy,	Feb. 27–28,	S. C. George, West Lebanon.
	Homer City,	Homer City,	Homer City,	March 1–2,	
	Clarksburg,	Clarksburg,	Clarksburg,	March 3–4,	
	Plumville,	Plumville,	Chambersville,	March 6–7,	
Jefferson,	Oliveburg,	Oliveburg,	Punxsutawney,	Nov. 21–22,	Peter B. Cowan, Brookville, R. F. D. No. 4.
	Roseville,	Brookville,	Brookville,	Nov. 23–24,	
Juniata,	Vandyke,	Vandyke,	Mexico,	Dec. 26–27,	Mattbew Rodgers, Mexico.
	McCoysville,	McCoysville,	Warble,	Dec. 28–29,	
Lackawanna,	Madisonville,	Madisonville,	Moscow,	Nov. 22–23,	Horace Seamans, Factoryville.
	Daleville,	Gouldsboro, R. F. D.,	Moscow,	Nov. 25–26,	
	Tompkinsville,	Jermyn, R. F. D.,	Jermyn,	Nov. 28–29,	
	Bald Mount,	Clarks Summit, R. F. D.	Clarks Summit,	Nov. 30–Dec. 1,	
(Movable Institute School.)	Clarks Green,	Clarks Green,	Clarks Summit,	Jan. 2–5,	
Lancaster,	Quarryville,	Quarryville,	Quarryville,	Nov. 21–22,	J. Aldus Herr, Lancaster, R. F. D. No. 4.
	Lampeter,	Lampeter,	Lancaster,	Nov. 23–24,	
	Paradise,	Paradise,	Lehman Place,	Nov. 25–26,	Edw. Hibshman, Ephrata.
	Mechanicsville,	Manheim,	Mechanicsville,	Nov. 28–29,	
	Ephrata,	Ephrata,	Ephrata,	Nov. 30–Dec. 1,	
	Maytown,	Maytown,	Marietta,	Dec. 2–3,	
Summer Institutes,	Fairmount,	----------	----------	Aug. 24–25,	
	Terre Hill,	----------	----------	Aug. 26–27,	

Lawrence,	Mt. Jackson,	Mt. Jackson,	Maboningtown,	Jan.	16–17,	Sylvester Shaffer, New Castle, R. F. D.
	Princeton,	Princeton,	Princeton,	Jan.	18–19,	
	Eastbrook,	Eastbrook,	Eastbrook,	Jan.	20–21,	
	New Wilmington,	New Wilmington,	New Wilmington,	Feb.	13–14,	
Lebanon (Movable Institute School).	Annville,	Annville,	Annville,	Dec.	28–31,	Edward Sbuey, Lickdale.
	Jonestown,	Jonestown,	Jonestown,	Feb.	13–14,	
	Schaefferstown,	Schaefferstown,	Richland,	Feb.	15–16,	
Lehigh (Movable Institute School).	Allentown,	Allentown,	Allentown,	Feb.	1–4,	P. S. Fenstermaker, Allentown.
	Germansville,	Germansville,	Germansville,	Feb.	20–21,	
	Macungie,	Macungie,	Macungie,	Feb.	22–23,	
Luzerne,	Orange,	Pittston, R. F. D.,	Dallas,	Jan.	9–10,	J.E. Hildebrant, Dallas, R. F. D. 2.
	Sweet Valley,	Sweet Valley,	Dallas,	Jan.	11–12,	
	Hobbie,	Wapwallopen,	Wapwallopen,	Jan.	13–14,	
Lycoming,	Hughesville,	Hughesville,	Hughesville,	Jan.	30–31,	A. J. Kahler, Hugbesville.
	Pinerun,	Linden, R. F. D.,	Leven Corner,	Feb.	1,	
	Limestone Twp.,	Jersey Sbore,	Jersey Sbore,	Feb.	2–3,	
	Waterville,	Waterville,	Waterville,	Feb.	4,	
McKean,	Newerf,	Newerf,	Newerf,	Dec.	5–6,	O. W. Abbey, Turtle Point.
	Turtle Point,	Turtle Point,	Turtle Point,	Dec.	7–8,	
	Bell Run,	Ceres, N. Y.,	Ceres, N. Y.,	Dec.	9–10,	
Mercer,	Greenville,	Greenville,	Greenville,	Feb.	6–7,	Wm. C. Black, Mercer.
	Clarksville,	Clarksville,	Clarksville,	Feb.	8–9,	
	Jackson Centre,	Jackson Centre,	Jackson Centre,	Feb.	10–11,	
Mifflin,	Belleville,	Belleville,	Belleville,	Dec.	30–31,	M. M. Naginey, Milroy.
	Lewistown,	Lewistown,	Lewistown,	Jan.	2–3,	
Monroe,	Kresgeville,	Kresgeville,	Stroudsburg,	Jan.	16–17,	F. S. Brong, Saylorsburg.
	Brodheadsville,	Brodheadsville,	Stroudsburg,	Jan.	18,	
	Marsballs Creek,	East Stroudsburg,	Stroudsburg,	Jan.	19–20,	
Montgomery,	Sanatoga,	Sanatoga,	Pottstown,	Feb.	22–23,	H. H. Fetterolf, Collegeville.
	King of Prussia,	King of Prussia,	King of Prussia,	Feb.	24–25,	
	Centre Point,	Worcester,	Centre Point,	Feb.	27–28,	
	Harleysville,	Harleysville,	Souderton,	March	1–2,	
	East Greenville,	East Greenville,	East Greenville,	March	3–4,	
Montour,	Washingtonville,	Washingtonville,	Strawberry Ridge,	Feb.	10–11,	J. Miles Derr, Milton, R. F. D. No. 1.
	Mausdale,	Mausdale,	Mausdale,	Feb.	13–14,	
Northampton,	Ackermanville,	Ackermanville,	Ackermanville,	Jan.	30–31,	C. S. Messinger, Tatamy.
	Tatamy,	Tatamy,	Tatamy,	Feb.	1–2,	
	Oberryville,	Oberryville,	Treieblers,	Feb.	3–4,	

DIVISION OF INSTITUTES.—Continued.

County.	Place.	Post Office.	Railroad Station.	Date.	Chairmen of Institutes.
Northumberland,	Rebucks,	Rebucks,	Dorusife,	Feb. 3-4,	I. A. Escbbach, Milton, R. F. D. No. 1.
	Snydertown,	Snydertown,	Snydertown,	Feb. 6-7,	
	Pottsgrove,	Pottsgrove,	Pottsgrove,	Feb. 8-9,	
Philadelphia,	Bustleton,	Philadelphia,	Bustleton,	Feb. 20-21,	J. B. Kirkbride, Bustleton.
Perry,	Blain,	Blain,	Newport,	Jan. 9-10,	A. T. Holman, Millerstown.
	Ickesburg,	Ickesburg,	Loysville,	Jan. 11-12,	
	Millerstown,	Millerstown,	Millerstown,	Jan. 13-14,	
Pike,	Greentown,	Greentown,	Gouldsboro,	Jan. 4-5,	B. F. Killam, Paupack.
	Paupack,	Paupack,	Hawley,	Jan. 6-7,	
Potter (Movable Institute Schools.)	Odin,	Odin,	Coudersport,	Nov. 30-Dec. 3,	Horace H. Hall, Ellisburg.
	Ellisburg,	Ellisburg,	Ellisburg,	Dec. 2-6,	
Schuylkill,	Barnsville,	Barnsville,	Barnsville,	Feb. 13-14,	John Shoener, New Ringgold, R. F. D. No. 1.
	McKeansburg,	McKeansburg,	New Ringgold,	Feb. 15-16,	
	Pitman,	Pitman,	New Ringgold,	Feb. 17-18,	
	Pinegrove,	Pinegrove,	Pinegrove,	Feb. 20-21,	
Snyder,	Beavertown,	Beavertown,	Beavertown,	Jan. 30-31,	John S. Kauffman, Middleburg, R. F. D. No. 1.
	Mt. Pleasant Mills,	Mt. Pleasant Mills,	Middleburg,	Feb. 1-2,	
Somerset,	Salisbury,	Elk Lick,	Salisbury,	Jan. 4-5,	J. C. Weller, Rockwood, R. F. D. No. 2.
	Somerset,	Somerset,	Somerset,	Jan. 6-7,	
	Stoyestown,	Stoyestown,	Stoyestown,	Jan. 9-10,	
Sullivan,	Muncy Valley,	Muncy Valley,	Muncy Valley,	Dec. 26-27,	E. R. Warburton, Campbellville.
	Estella,	Estella,	Dushore,	Dec. 28-29,	
Susquebanna,	Rush,	Rush,	Montrose,	Dec. 2-3,	F. A. Davies, Montrose.
	Montrose,	Montrose,	Montrose,	Dec. 5,	
	Lawsville,	Lawsville,	Montrose,	Dec. 6-7,	
	Welsh Hill,	Welsh Hill,	Uniondale,	Dec. 8-9,	

Tioga,	Tioga,	Tioga,	Tioga,	Jan.	13-14,	E. B. Dorsett, Mansfield.
	Mitchells Mills,	Millerton,	Millerton,	Jan.	16,	
	Mansfield,	Mansfield,	Mansfield,	Jan.	17-18,	
	Wellsboro,	Wellsboro,	Wellsboro,	Jan.	19-20,	
	Osceola,	Osceola,	Osceola,	Jan.	21,	
	Westfield,	Westfield,	Westfield,	Jan.	23-24,	
Union,	Vicksburg,	Vicksburg,	Vicksburg,	Feb.	15-16,	J. Newton Glover, Vicksburg.
	Laurelton,	Laurelton,	Laurelton,	Feb.	17-18,	
Venango (Movable Institute School).	Franklin,	Franklin,	Franklin,	Jan.	9-12,	W. A. Crawford, Cooperstown.
Warren (Movable Institute Schools).	Youngsville,	Youngsville,	Youngsville,	Dec.	7-9,	Geo. A. Woodside, Sugargrove.
	Sugargrove,	Sugargrove,	Sugargrove,	Dec.	5-8,	
Washington,	Amity,	Amity,	Amity,	Nov.	25-26,	D. S. Taylor, Burgettstown.
	Midway,	Midway,	Midway,	Nov.	28-29,	
	Bentleyville,	Bentleyville,	Bentleyville,	Nov.	30-Dec. 1,	
Wayne,	Waymart,	Waymart,	Waymart,	Dec.	27-28,	W. E. Perham, Pleasant Mt.
	Honesdale,	Honesdale,	Honesdale,	Dec.	29,	
	Ariel,	Ariel,	Ariel,	Dec.	30-31,	
	Sterling,	Sterling,	Ariel,	Jan.	2-3,	
Westmoreland, (Movable Institute School.)	Adamsburg,	Adamsburg,	Adamsburg,	Dec.	9-10,	M. P. Shoemaker, Greensburg.
	Scottdale,	Scottdale,	Scottdale,	Jan.	16-19,	
	New Kensington,	New Kensington,	New Kensington,	Feb.	22-23,	
	Fairfield,	New Florence,	New Florence,	Feb.	24,	
Wyoming,	Tunkhannock,	Tunkhannock,	Tunkhannock,	Jan.	9-10,	D. A. Knuppenburg, Lake Carey.
	West Nicholson,	West Nicholson,	Tunkhannock,	Jan.	11-12,	
York (Movable Institute School).	Fawn Grove,	Fawn Grove,	Fawn Grove,	Dec.	26-29,	G. F. Barnes, Rossville.
	Lewisberry,	Lewisberry,	York,	Feb.	1-2,	
	Dover,	Dover,	Dover,	Feb.	3-4,	
	Dallastown,	Dallastown,	Dallastown,	Feb.	6-7,	
	New Freedom,	New Freedom,	New Freedom,	Feb.	8-9,	
	Spring Grove,	Spring Forge,	Spring Grove,	Feb.	10-11,	

PENNSYLVANIA FARMERS' INSTITUTES

ASSIGNMENTS OF LECTURERS BY SECTIONS FOR 1910-1911

FIRST SECTION

L. W. LIGHTY will attend all meetings in this section.

Date.	Place.	County.	Additional Lecturers.
Nov.	21, Quarryville,	Lancaster,	E. B. Dorsett, Chas. T. Cornman and Sheldon W. Funk.
Nov.	22, Quarryville,	Lancaster,	E. B. Dorsett, Chas. T. Cornman, Sheldon W. Funk and Sara C. Lovejoy.
Nov.	23, Lampeter,	Lancaster,	E. B. Dorsett, Chas. T. Cornman, Sheldon W. Funk and Sara C. Lovejoy.
Nov.	24, Lampeter,	Lancaster,	E. B. Dorsett, Chas. T. Cornman and Sheldon W. Funk.
Nov.	25-26, Paradise,	Lancaster,	E. B. Dorsett, Chas. T. Cornman and Sheldon W. Funk.
Nov.	28-29, Mechanicsville,	Lancaster,	E. B. Dorsett, Chas. T. Cornman and Sheldon W. Funk.
Nov. 30-Dec.	1, Ephrata,	Lancaster,	E. B. Dorsett, Chas. T. Cornman and Sheldon W. Funk.
Dec.	2-3, Maytown,	Lancaster,	E. B. Dorsett, Chas. T. Cornman and Sheldon W. Funk.
Dec.	5,Bachmanville,	Dauphin,	E. B. Dorsett, F. H. Fassett and I. A. Eschbach.
Dec.	6,Hummelstown,	Dauphin,	E. B. Dorsett, F. H. Fassett and I. A. Eschbach.
Dec.	7-8,Linglestown,	Dauphin,	E. B. Dorsett, F. H. Fassett and I. A. Eschbach.
Dec.	9-10,Gratz,	Dauphin,	E. B. Dorsett, F. H. Fassett, I. A. Eschbach and Prof. Wells W. Cooke.
Dec.	26, New Oxford,	Adams,	Fred W. Card and F. H. Fassett.
Dec.	27, New Oxford,	Adams,	Fred W. Card, F. H. Fassett and H. M. Evans.
Dec.	28, York Springs,	Adams,	Fred W. Card, F. H. Fassett and H. M. Evans.
Dec.	29, York Springs,	Adams,	Fred W. Card and F. H. Fassett.
Dec.	30-31, Arendtsville	Adams,	Fred W. Card and F. H. Fassett.
Jan.	2-3, Marion,	Franklin,	Fred W. Card, F. H. Fassett and J. H. Ledy.
Jan.	4-5,Lemasters,	Franklin,	Fred W. Card, F. H. Fassett and J. H. Ledy.

Date.	Place.	County.	Additional Lecturers.
Jan.	6-7, Dry Run,	Franklin,	Fred W. Card, F. H. Fassett and J. H. Ledy.
Jan.	9-10, Blain,	Perry,	Robt. S. Seeds, Fred W. Card and Frank Kline.
Jan.	11-12, Ickesburg,	Perry,	Robt. S. Seeds, Fred W. Card and Frank Kline.
Jan.	13, Millerstown,	Perry,	Robt. S. Seeds, Frank Kline, Fred W. Card and W. A. Cochel.
Jan.	14, Millerstown,	Perry,	Robt. S. Seeds, Fred W. Card and W. A. Cochel.
Jan.	16-17, Middle Spring,	Cumberland,	Fred W. Card and M. S. McDowell.
Jan.	18-19, Centreville,	Cumberland,	Fred W. Card and M. S. McDowell.
Jan.	20-21, New Kingston,	Cumberland,	Fred W. Card and M. S. McDowell.
Jan.	30, Hogestown,	Cumberland,	M. H. McCallum, M. S. McDowell and Warren G. Ross.
Jan.	31, Churchtown,	Cumberland,	M. H. McCallum, M. S. McDowell and Warren G. Ross.
Feb.	1-2, Lewisberry,	York,	M. H. McCallum, M. S. McDowell and Warren G. Ross.
Feb.	3-4, Dover,	York,	M. H. McCallum, M. S. McDowell and Warren G. Ross.
Feb.	6, Dallastown,	York,	Fred W. Card and M. S. McDowell.
Feb.	7, Dallastown,	York,	Fred W. Card, M. S. McDowell, Miss Arabella Carter and Miss Adaline C. Baker.
Feb.	8, New Freedom,	York,	Fred W. Card, M. S. McDowell, Miss Arabella Carter and Miss Adaline C. Baker.
Feb.	9, New Freedom,	York,	Fred W. Card and M. S. McDowell.
Feb.	10-11, Spring Grove,	York,	Fred W. Card and Homer W. Jackson.
Feb.	13-14, Jonestown,	Lebanon,	Fred W. Card, Homer W. Jackson and Henry W. Northup.
Feb.	15-16, Schaefferstown,	Lebanon,	Fred W. Card, Homer W. Jackson and Henry W. Northup.
Feb.	17-18, Atglen,	Chester,	Fred W. Card, Prof. T. I. Mairs and Henry W. Northup.
Feb.	20-21, Bustleton,	Philadelphia,	Fred W. Card, W. Theo. Wittman and Prof. T. I. Mairs.
Feb.	22-23, Newtown Square,	Delaware,	Fred W. Card, W. Theo. Wittman and Prof. T. I. Mairs.
Feb.	24-25, Media,	Delaware,	Fred W. Card, S. Paul Woodman, Miss Jean Kane Foulke and W. Theo. Wittman.
Feb.	27, Concordville,	Delaware,	Fred W. Card, S. Paul Woodman and Miss Jean Kane Foulke.
Feb.	28, Concordville,	Delaware,	Fred W. Card and S. Paul Woodman.
March	1-2, Oxford,	Chester,	Fred W. Card and S. Paul Woodman.
March	3-4, Doe Run,	Chester,	Fred W. Card and S. Paul Woodman.

March	6, Cedarville,	Chester,	Fred W. Card and S. Paul Woodman.
March	7, Cedarville,	Chester,	Fred W. Card, S. Paul Woodman and Miss Jean Kane Foulke.

SECOND SECTION

PROF. FRANKLIN MENGES will attend all meetings in this section.

Date.	Place.	County.	Additional Lecturers.
Nov.	25-26, Warfordsburg,	Fulton,	Henry W. Northup, W. Theo. Wittman and D. K. Murray.
Nov.	28-29, Needmore,	Fulton,	Henry W. Northup, W. Theo. Wittman and D. K. Murray.
Nov.	30, Charlesville,	Bedford,	Henry W. Northup, W. Theo. Wittman and D. K. Murray.
Dec.	1,Charlesville,	Bedford,	Henry W. Northup and D. K. Murray.
Dec.	2-3, New Enterprise,	Bedford,	Henry W. Northup and D. K. Murray.
Dec.	5-6, Woodbury,	Bedford,	Henry W. Northup and D. K. Murray.
Dec.	7-8, Patton,	Cambria,	Henry W. Northup, D. K. Murray and Mrs. Sara B. F. Zeigler.
Dec.	9-10, Loretto,	Cambria,	Henry W. Northup, D. K. Murray and Mrs. Sara B. F. Zeigler.
Dec.	12-13, Wilmore,	Cambria,	Henry W. Northup, D. K. Murray and Mrs. Sara B. F. Zeigler.
Dec.	26-27, Vandyke,	Juniata,	D. H. Watts and Prof. Wm. G. Owens.
Dec.	28-29, McCoysville,	Juniata,	D. H. Watts and Prof. Wm. G. Owens.
Dec.	30-31, Belleville,	Mifflin,	D. H. Watts, Prof. Wm. G. Owens and Miss Sara Phillips Thomas
Jan.	2-3, Lewistown,	Mifflin,	D. H. Watts, F. E. Bonsteel and Miss Sara Phillips Thomas.
Jan.	4-5, Salisbury,	Somerset,	D. H. Watts, F. E. Bonsteel and Dr. J. D. Detrich.
Jan.	6-7, Somerset,	Somerset,	D. H. Watts, F. E. Bonsteel and Dr. J. D. Detrich.
Jan.	9-10, Stoyestown,	Somerset,	D. H. Watts, F. E. Bonsteel and Dr. J. D. Detrich.
Jan.	11-12, Bellwood,	Blair,	D. H. Watts, F. E. Bonsteel and W. H. Stout.
Jan.	13-14, Newry,	Blair,	D. H. Watts, F. E. Bonsteel and W. H. Stout.
Jan.	16-17, Williamsburg,	Blair,	D. H. Watts, F. E. Bonsteel and W. H. Stout.
Jan.	18-19, Warriors Mark,	Huntingdon,	D. H. Watts, F. E. Bonsteel and W. H. Stout.
Jan.	20-21, Petersburg,	Huntingdon,	D. H. Watts, F. E. Bonsteel and W. H. Stout.
Jan.	30-31, Beavertown,	Snyder,	D. H. Watts and E. E. Callahan.
Feb.	1-2, Mt. Pleasant Mills,	Snyder,	D. H. Watts and E. E. Callahan.
Feb.	3-4, Rebucks,	Northumberland,	D. H. Watts and E. E. Callahan.
Feb.	6-7, Snydertown,	Northumberland,	D. H. Watts.
Feb.	8-9, Pottsgrove,	Northumberland,	D. H. Watts.
Feb.	10-11, Washingtonville,	Montour,	D. H. Watts.
Feb.	13-14, Mausdale,	Montour,	D. H. Watts and C. L. Goodling.
Feb.	15-16, Vicksburg,	Union,	D. H. Watts and C. L. Goodling.

Date.	Place.	County.	Additional Lecturers.
Feb.	17-18, Laurelton,	Union,	D. H. Watts and C. L. Goodling.
Feb.	20-21, Pleasant Gap,	Centre,	D. H. Watts and Leon Otice Van Noy.
Feb.	22, Unionville,	Centre,	D. H. Watts and Leon Otice Van Noy.
Feb.	23, Unionville,	Centre,	D. H. Watts, Leon Otice Van Noy and Miss Sara C. Lovejoy.
Feb.	24, Eagleville,	Centre,	D. H. Watts, Leon Otice Van Noy and Miss Sara C. Lovejoy.
Feb.	25, Eagleville,	Centre,	D. H. Watts and Leon Otice Van Noy.
Feb.	27-28,Curwensville,	Clearfield,	F. H. Fassett, Leon Otice Van Noy and W. Theo. Wittman.
March	1, Burnside,	Clearfield,	F. H. Fassett, Leon Otice Van Noy and W. Theo. Wittman.
March	2, Burnside,	Clearfield,	F. H. Fassett, Leon Otice Van Noy, W. Theo. Wittman, Miss Arabella Carter and Miss Adaline C. Baker.
March	3, DuBois,	Clearfield,	F. H. Fassett, Leon Otice Van Noy, W. Theo. Wittman, Miss Arabella Carter and Miss Adaline C. Baker.
March	4, DuBois,	Clearfield,	F. H. Fassett, Leon Otice Van Noy and W. Theo. Wittman.
March	6-7, McAlveysfort,	Huntingdon,	F. H. Fassett, Leon Otice Van Noy and W. Theo. Wittman.
March	8-9, Orbisonia,	Huntingdon,	F. H. Fassett, Leon Otice Van Noy and W. Theo. Wittman.

THIRD SECTION

R. P. KESTER will attend all meetings in this section.

Nov.	21-22, Graysville,	Greene,	Homer T. Jackson, M. N. Clark and C. C. McCurdy.
Nov.	23-24, Holbrook,	Greene,	Homer T. Jackson, M. N. Clark and C. C. McCurdy.
Nov.	25-26, Amity,	Washington,	Homer T. Jackson, M. N. Clark and C. C. McCurdy.
Nov.	28-29, Midway,	Washington,	J. P. Pillsbury, W. M. C. Drake and W. F. Hill.
Nov. 30-Dec.	1, Bentleyville,	Washington,	J. P. Pillsbury, W. M. C. Drake and W. F. Hill.
Dec.	2-3, Flatwoods,	Fayette,	J. P. Pillsbury, W. M. C. Drake and W. F. Hill.
Dec.	5-6, Farmington,	Fayette,	Prof. T. I. Mairs, W. M. C. Drake and M. N. Clark.
Dec.	7-8, Morris Cross Roads.	Fayette,	Prof. T. I. Mairs, W. M. C. Drake and M. N. Clark.
Dec.	9-10, Adamsburg,	Westmoreland,	Prof. T. I. Mairs, W. M. C. Drake and M. N. Clark.
Dec.	26-27, Mt. Pleasant Church.	Beaver,	C. B. Wade and Dr. Wm. Frear.

Date.	Place.	County.	Additional Lecturers.
Dec.	28-29, Hookstown,	Beaver,	C. B. Wade and Dr. Wm. Frear.
Dec.	30-31, Grange Hall,	Beaver,	C. B. Wade and Dr. Wm. Frear.
Jan.	2-3, Jacksville,	Butler,	C. B. Wade, C. C. McCurdy and H. R. Fulton.
Jan.	4-5, Muddy Creek,	Butler,	C. B. Wade, C. C. McCurdy and H. R. Fulton.
Jan.	6-7, West Sunbury,	Butler,	C. B. Wade, C. C. McCurdy and H. R. Fulton.
Jan.	9-10, New Texas,	Allegheny,	W. H. McIntire, Leon Otice Van Noy and M. H. McCallum.
Jan.	11-12, Montour Church,	Allegheny,	W. H. McIntire, Leon Otice Van Noy and M. H. McCallum.
Jan.	13-14, Bakerstown,	Allegheny,	W. H. McIntire, Leon Otice Van Noy and M. H. McCallum.
Jan.	16-17, Mt. Jackson,	Lawrence,	Geo. E. Hull, Leon Otice Van Noy and M. H. McCallum.
Jan.	18-19, Princeton,	Lawrence,	Geo. E. Hull, Leon Otice Van Noy and M. H. McCallum.
Jan.	20-21, Eastbrook,	Lawrence,	Geo. E. Hull, Leon Otice Van Noy and M. H. McCallum.
Jan.	30-31, Brownhill,	Crawford,	A. W. Stephens, Leon Otice Van Noy and Geo. E. Hull.
Feb.	1-2, Blooming Valley,	Crawford,	A. W. Stephens, Leon Otice Van Noy and Geo. E. Hull.
Feb.	3-4, Black Ash,	Crawford,	A. W. Stephens, Leon Otice Van Noy and Geo. E. Hull.
Feb.	6-7, Greenville,	Mercer,	A. W. Stephens and Leon Otice Van Noy.
Feb.	8-9, Clarks Mills,	Mercer,	A. W. Stephens and Leon Otice Van Noy.
Feb.	10, Jackson Centre,	Mercer,	A. W. Stephens and Leon Otice Van Noy
Feb.	11, Jackson Centre,	Mercer,	A. W. Stephens, Leon Otice Van Noy and Miss Sara C. Lovejoy.
Feb.	13, New Wilmington,	Lawrence,	A. W. Stephens, Leon Otice Van Noy, Prof. Chas. F. Shaw and Miss Sara C. Lovejoy.
Feb.	14, New Wilmington,	Lawrence,	A. W. Stephens, Leon Otice Van Noy and Prof. Chas. F. Shaw.
Feb.	15-16, Dayton,	Armstrong,	A. W. Stephens, Leon Otice Van Noy and Prof. Chas. F. Shaw.
Feb.	17-18, Kittanning,	Armstrong,	A. W. Stephens, Leon Otice Van Noy and W. M. C. Drake.
Feb.	20-21, Worthington,	Armstrong,	E. L. Phillips, Dr. J. D. Detrich and W. M. C. Drake.
Feb.	22-23, New Kensington,	Westmoreland,	E. L. Phillips, Dr. J. D. Detrich and W. M. C. Drake.
Feb.	24, Fairfield,	Westmoreland,	E. L. Phillips, Dr. J. D. Detrich and F. J. Wagner.
Feb.	27-28, Cookport,	Indiana,	E. L. Phillips, Dr. J. D. Detrich and F. J. Wagner.

Date.	Place.	County.	Additional Lecturers.
March	1-2, Homer City, ...	Indiana, ...	E. L. Phillips, Dr. J. D. Detrich and F. J. Wagner.
March	3-4, Clarksburg, ...	Indiana, ...	E. L. Phillips, Dr. J. D. Detrich and F. J. Wagner.
March	6-7, Plumville, ...	Indiana, ...	E. L. Phillips, Dr. J. D. Detrich and F. J. Wagner.

FOURTH SECTION

J. H. PEACHEY will attend all meetings in this section.

Nov.	21-22, Oliveburg, ...	Jefferson, ...	Dr. W. T. Phillipy, W. M. C. Drake and Elmer E. Dockey.
Nov.	23-24, Roseville, ...	Jefferson, ...	Dr. W. T. Phillipy, W. M. C. Drake and Elmer E. Dockey.
Nov.	25-26, Ridgway, ...	Elk, ...	Dr. W. T. Phillipy, W. M. C. Drake and Elmer E. Dockey.
Nov.	28-29, St. Marys, ...	Elk, ...	Dr. W. T. Phillipy and Elmer E. Dockey.
Nov.	30, Sinnamahoning, ..	Cameron, ...	Dr. W. T. Phillipy and Elmer E. Dockey.
Dec.	1, Sterling Run, ...	Cameron, ...	Dr. W. T. Phillipy, Chas. H. Rich and R. J. Weld.
Dec.	2, Rich Valley, ...	Cameron, ...	Dr. W. T. Phillipy, Chas. H. Rich and R. J. Weld.
Dec.	3, Sizerville, ...	Cameron, ...	Dr. W. T. Phillipy, Chas. H. Rich and R. J. Weld.
Dec.	5-6, Newerf, ...	McKean, ...	Dr. W. T. Phillipy, Chas. H. Rich and R. J. Weld.
Dec.	7-8, Turtle Point, ...	McKean, ...	Dr. W. T. Phillipy, Chas. H. Rich and R. J. Weld.
Dec.	9-10, Bell Run	McKean, ...	Dr. W. T. Phillipy, Chas. H. Rich and R. J. Weld.
Dec.	26-27, Muncy Valley, ...	Sullivan, ...	John W. Cox and Chas. M. Barnitz.
Dec.	28-29, Estella, ...	Sullivan, ...	John W. Cox and Chas. M. Barnitz.
Dec.	30-31, Leroy, ...	Bradford, ...	John W. Cox, Chas. T. Cornman and Chas. M. Barnitz.
Jan.	2-3, Wilmont, ...	Bradford, ...	John W. Cox, Chas. T. Cornman and Robt. S. Seeds.
Jan.	4-5, Springhill, ...	Bradford, ...	John W. Cox, Chas. T. Cornman and Robt. S. Seeds.
Jan.	6-7, Wysox, ...	Bradford, ...	John W. Cox, Chas. T. Cornman and Robt. S. Seeds.
Jan.	9-10, Tunkhannock, ...	Wyoming, ...	John W. Cox and Chas. M. Barnitz.
Jan.	11-12, West Nicholson, .	Wyoming, ...	John W. Cox and Chas. M. Barnitz.
Jan.	13-14, Tioga, ...	Tioga, ...	F. H. Fassett, Chas. M. Barnitz and Dr. J. D. Detrich.
Jan.	16, Mitchell's Mills, ..	Tioga, ...	F. H. Fassett, Chas. M. Barnitz and Dr. J. D. Detrich.
Jan.	17-18, Mansfield, ...	Tioga, ...	F. H. Fassett, Chas. M. Barnitz and Dr. J. D. Detrich.
Jan.	19-20, Wellsboro, ...	Tioga, ...	F. H. Fassett, Chas. M. Barnitz and Dr. J. D. Detrich.

Date.	Place.	County.	Additional Lecturers.
Jan.	21, Osceola,	Tioga,	F. H. Fassett, Chas. M. Barnitz and Dr. J. D. Detrich.
Jan.	23-24, Westfield,	Tioga,	F. H. Fassett, Chas. M. Barnitz and Dr. J. D. Detrich.
Jan.	30-31, Hughesville,	Lycoming,	H. M. Anderson, Andrew A. Borland and E. B. Dorsett.
Feb.	1, Pinerun,	Lycoming,	H. M. Anderson, Andrew A. Borland and E. B. Dorsett.
Feb.	2-3, Limestone Twp.,	Lycoming,	H. M. Anderson, Andrew A. Borland and E. B. Dorsett.
Feb.	4, Waterville,	Lycoming,	H. M. Anderson, Andrew A. Borland and E. B. Dorsett.
Feb.	6-7, Woolrich,	Clinton,	H. M. Anderson, Dr. M. E. Conard and E. B. Dorsett.
Feb.	8-9, Lamar,	Clinton,	H. M. Anderson, Dr. M. E. Conard and E. B. Dorsett.
Feb.	10-11, Loganton,	Clinton,	H. M. Anderson, Dr. M. E. Conard and E. B. Dorsett.
Feb.	14-15, Limestone,	Clarion,	A. J. Kahler and Dr. M. E. Conard.
Feb.	16-17, Reimersburg,	Clarion,	A. J. Kahler and Dr. M. E. Conard.
Feb.	20-21, Lickingville,	Clarion,	A. J. Kahler and Dr. M. E. Conard.
Feb.	22-23, Tionesta,	Forest,	A. J. Kahler and Dr. M. E. Conard.
Feb.	24-25, Hickory,	Forest,	Prof. Frank D. Gardner and Dr. M. E. Conard.
Feb.	27-28, North East,	Erie,	Prof. Frank D. Gardner, Dr. M. E. Conard and Cyrus T. Fox.
March	1-2, Girard,	Erie,	Prof. Frank D. Gardner, Dr. M. E. Conard and Cyrus T. Fox.

FIFTH SECTION-PART 1

J. T. CAMPBELL will attend all meetings in this section.

Nov.	22-23,	Madisonville,	Lackawanna,	Fred W. Card, D. H. Watts and Mrs. Geo. E. Monroe.
Nov.	25-26,	Daleville,	Lackawanna,	Fred W. Card, D. H. Watts and Mrs. Geo. E. Monroe.
Nov.	28-29,	Tompkinsville,	Lackawanna,	Fred W. Card, D. H. Watts and Mrs. Geo. E. Monroe.
Nov.	30-Dec. 1,	Bald Mount,	Lackawanna,	Fred W. Card and D. H. Watts.
Dec.	2-3,	Rush,	Susquehanna,	Fred W. Card and D. H. Watts.
Dec.	5,	Montrose,	Susquehanna,	Fred W. Card and D. H. Watts.
Dec.	6-7,	Lawsville,	Susquehanna,	Fred W. Card and D. H. Watts.
Dec.	8-9,	Welsh Hill,	Susquehanna,	Fred W. Card and D. H. Watts.
Dec.	27-28,	Waymart,	Wayne,	M. H. McCallum and S. Paul Woodman.
Dec.	29,	Honesdale,	Wayne,	M. H. McCallum and S. Paul Woodman.
Dec.	30-31,	Ariel,	Wayne,	M. H. McCallum and S. Paul Woodman.
Jan.	2-3,	Sterling,	Wayne,	M. H. McCallum and S. Paul Woodman.

Date.	Place.	County.	Additional Lecturers.
Jan.	4-5, Greentown, ...	Pike, ...	M. H. McCallum and S. Paul Woodman.
Jan.	6-7, Paupack, ...	Pike, ...	M. H. McCallum and S. Paul Woodman.
Jan.	9-10, Orange, ...	Luzerne, ...	C. L. Goodling, J. H. Ledy and J. W. Bruckart.
Jan.	11-12, Sweet Valley, ...	Luzerne, ...	C. L. Goodling, J. H. Ledy and J. W. Bruckart.
Jan.	13-14, Hobbie, ...	Luzerne, ...	C. L. Goodling, J. H. Ledy and J. W. Bruckart.
Jan.	16-17, Kresgeville, ...	Monroe, ...	Joel A. Herr and J. H. Ledy.
Jan.	18, Brodheadsville, ..	Monroe, ...	Joel A. Herr and J. H. Ledy.
Jan.	19-20, Marshall's Creek,.	Monroe, ...	Joel A. Herr and J. H. Ledy.
Jan.	30-31, Ackermanville, ..	Northampon, ...	Joel A. Herr, J. W. Bruckart and Miss Arabella Carter.
Feb.	1-2, Tatamy	Northampon, ...	Joel A. Herr, J. W. Bruckart and Miss Arabella Carter.
Feb.	3-4, Cherryville, ...	Northampon, ...	Joel A. Herr, J. W. Bruckart and Miss Arabella Carter.
Feb.	6-7, New Mahoning, ..	Carbon, ...	Dr. J. H. Funk and J. W. Bruckart.
Feb.	8-9, Stemlersville, ...	Carbon, ...	Dr. J. H. Funk and J. W. Bruckart.
Feb.	10-11, Weatherly, ...	Carbon, ...	Dr. J. H. Funk and J. W. Bruckart.
Feb.	13-14, Barnsville, ...	Schuylkill, ...	Dr. J. H. Funk and Chas. T. Cornman.
Feb.	15-16, McKeansburg, ...	Schuylkill, ...	Dr. J. H. Funk and Chas. T. Cornman.
Feb.	17-18, Pitman, ...	Schuylkill, ...	Dr. J. H. Funk and Chas. T. Cornman.
Feb.	20-21, Pinegrove, ...	Schuylkill, ...	Dr. J. H. Funk and Chas. T. Cornman.
Feb.	22-23, Sanatoga, ...	Montgomery, ...	Dr. J. H. Funk, Dr. Wm. Frear and Miss Adaline C. Baker.
Feb.	24-25, King of Prussia,.	Montgomery, ...	Dr. J. H. Funk, Dr. Wm. Frear and Miss Adaline C. Baker.
Feb.	27, Centre Point, ...	Montgomery, ...	Dr. J. H. Funk and Dr. Wm. Frear.
Feb.	28, Centre Point, ...	Montgomery, ...	Dr. J. H. Funk, Dr. Wm. Frear and Miss Arabella Carter.
March	1, Harleysville, ...	Montgomery, ...	Dr. J. H. Funk, Prof. W. A. Cochel and Miss Arabella Carter.
March	2, Harleysville, ...	Montgomery, ...	Dr. J. H. Funk and Prof. W. A. Cochel.
March	3-4, East Greenville, .	Montgomery, ...	Dr. J. H. Funk and Prof. W. A. Cochel.

FIFTH SECTION—PART 2

T. J. PHILIPS and DR. W. T. PHILLIPY will attend all meetings in Part 2 of this section.

Jan.	30, Geigertown, ...	Berks, ...	Edw. K. Hibshman and Frank Kline.
Jan.	31, Beckersville, ...	Berks, ...	Edw. K. Hibshman and Frank Kline.
Feb.	1-2, Mt. Aetna, ...	Berks, ...	Edw. K. Hibshman and Frank Kline.

Date.	Place.	County.	Additional Lecturers.
Feb.	3, Kutztown,	Berks,	Edw. K. Hibshman, W. Theo. Wittman and Frank Kline.
Feb.	4, Kutztown,	Berks,	Edw. K. Hibshman and W. Theo. Wittman.
Feb.	6-7, Amityville,	Berks,	Edw. K. Hibshman and W. Theo. Wittman.
Feb.	8-9, Pineville,	Bucks,	W. Theo. Wittman and M. S. Bond.
Feb.	10-11, Doylestown,	Bucks,	W. Theo. Wittman and M. S. Bond.
Feb.	13-14, Plumsteadville,	Bucks,	W. Theo. Wittman and M. S. Bond.
Feb.	15-16, Richlandtown,	Bucks,	W. Theo. Wittman and M. S. Bond.
Feb.	17-18, Richboro,	Bucks,	W. Theo. Wittman and M. S. Bond.
Feb.	20-21, Germansville,	Lehigh,	J. W. Gregg and Frank Kline.
Feb.	22-23, Macungie,	Lehigh,	J. W. Gregg and Frank Kline.

MOVABLE INSTITUTE SCHOOLS

SEASON 1910-1911

Date.	Place.	County.	Additional Lecturers.
Nov. 30-Dec.	1, Odin,	Potter,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Dec.	2-3, Odin,	Potter,	Dr. J. H. Funk and W. Theo. Wittman.
Dec.	2-3, Ellisburg,	Potter,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Dec.	5-6, Ellisburg,	Potter,	Dr. J. H. Funk and W. Theo. Wittman.
Dec.	5-6, Youngsville,	Warren,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Dec.	8, Youngsville,	Warren,	Dr. J. H. Funk, W. Theo. Wittman and Miss Sara C. Lovejoy.
Dec.	7-8, Sugargrove,	Warren,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Dec.	9, Sugargrove,	Warren,	Dr. J. H. Funk, W. Theo. Wittman and Miss Sara C. Lovejoy.
Dec.	26, Fawn Grove,	York,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Dec.	27, Fawn Grove,	York,	Prof. Wells W. Cooke, Dr. M. E. Conard and Miss Jean Kane Foulke.
Dec.	28, Fawn Grove,	York,	Dr. J. H. Funk, W. Theo. Wittman and Miss Jean Kane Foulke.
Dec.	29, Fawn Grove,	York,	Dr. J. H. Funk and W. Theo. Wittman.
Dec.	28, Annville,	Lebanon,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Dec.	29, Annville,	Lebanon,	Prof. Wells W. Cooke, Dr. M. E. Conard and Miss Jean Kane Foulke.

Date.	Place.	County.	Additional Lecturers.
Dec.	30, Annville,	Lebanon,	Dr. J. H. Funk, W. Theo. Wittman and Miss Jean Kane Foulke.
Dec.	31, Annville,	Lebanon,	Dr. J. H. Funk and W. Theo. Wittman.
Jan.	2, Clarks Green,	Lackawanna,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Jan.	3, Clarks Green,	Lackawanna,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Jan.	4, Clarks Green,	Lackawanna,	Dr. J. H. Funk, W. Theo. Wittman, Mrs. Sara B. F. Zeigler and Miss Sara Phillips Thomas.
Jan.	5, Clarks Green,	Lackawanna,	Dr. J. H. Funk and W. Theo. Wittman.
Jan.	4, Berwick,	Columbia,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Jan.	5, Berwick,	Columbia,	Prof. Wells W. Cooke, Dr. M. E. Conard, Mrs. Sara B. F. Zeigler and Miss Sara Phillips Thomas.
Jan.	6, Berwick,	Columbia,	Dr. J. H. Funk, W. Theo. Wittman, Miss Sara Phillips Thomas and Mrs. Sara B. F. Zeigler.
Jan.	7, Berwick,	Columbia,	Dr. J. H. Funk and W. Theo. Wittman.
Jan.	6, Catawissa,	Columbia,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Jan.	7, Catawissa,	Columbia,	Prof. Wells W. Cooke, Dr. M. E. Conard, Mrs. Sara B. F. Zeigler and Miss Sara Phillips Thomas.
Jan.	9, Catawissa,	Columbia,	Prof. R. L. Watts and Chas. T. Cornman.
Jan.	9, Franklin,	Venango,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Jan.	10, Franklin,	Venango,	Prof. Wells W. Cooke, Dr. M. E. Conard, Mrs. Sara B. F. Zeigler and Miss Sara Phillips Thomas.
Jan.	11, Franklin,	Venango,	Dr. J. H. Funk, W. Theo. Wittman, Sara Phillips Thomas and Mrs. Sara B. F. Zeigler.
Jan.	12, Franklin,	Venango,	Dr. J. H. Funk and W. Theo. Wittman.
Jan.	11, Edinboro,	Erie,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Jan.	12, Edinboro,	Erie,	Prof. Wells W. Cooke, Dr. M. E. Conard, Mrs. Sara B. F. Zeigler and Sara Phillips Thomas.
Jan.	13, Edinboro,	Erie,	Dr. J. H. Funk, W. Theo. Wittman, Miss Sara Phillips Thomas and Mrs. Sara B. F. Zeigler.
Jan.	14, Edinboro,	Erie,	Dr. J. H. Funk and W. Theo. Wittman.
Jan.	13-14, Hartstown,	Crawford,	Prof. Wells W. Cooke and Dr. M. E. Conard.
Jan.	16, Hartstown,	Crawford,	Dr. J. H. Funk, W. Theo. Wittman, Mrs. Sara B. F. Zeigler and Sara Phillips Thomas.

Date.	Place.	County.	Additional Lecturers.
Jan. 17.	Hartstown, ...	Crawford, ...	Dr. J. H. Funk and W. Theo. Wittman.
Jan. 16,	Scottdale, ...	Westmoreland, ...	Prof. Wells W. Cooke and Dr. M. E. Conard.
Jan. 17,	Scottdale, ...	Westmoreland, ...	Prof. Wells W. Cooke, Dr. M. E. Conard Mrs. Sara B. F. Zeigler and Miss Sara Phillips Thomas.
Jan. 18-19,	Scottdale, ...	Westmoreland, ...	Dr. J. H. Funk and W. Theo. Wittman.
Jan. 30-31,	Unionville, ...	Chester, ...	Prof. Wells W. Cooke and Dr. M. E. Conard.
Feb. 1,	Unionville, ...	Chester, ...	Dr. J. H. Funk and W. Theo. Wittman.
Feb. 2,	Unionville, ...	Chester, ...	Dr. J. H. Funk, W. Theo. Wittman and Miss Sara C. Lovejoy.
Feb. 1-2,	Allentown, ...	Lehigh, ...	Dr. J. D. Detrich and Prof. Wells W. Cooke.
Feb. 3,	Allentown, ...	Lehigh, ...	Prof. R. L. Watts, Chas. T. Cornman, Miss Sara Phillips Thomas and Miss Jean Kane Foulke.
Feb. 4,	Allentown, ...	Lehigh, ...	Prof. R. L. Watts and Chas. T. Cornman.

Note: The subjects taken up at above schools will embrace Animal Breeding on Dairy Lines, Barn Construction, Lessons in Butter Making with Handling and Care of Milk in its various departments; also Horticulture, Orchard Location, Planting, Pruning, Cultivation, Selection of Varieties, Fungus and Insect Pests; the Poultry Industry in its various branches.

A brief syllabus on the different lines of study taken up will be forwarded to all members of the class where meetings are held.

LIST OF SPEAKERS AND THEIR ASSIGNMENTS

FOR THE SEASON OF 1910-1911

H. M. ANDERSON, New Park, York County, Pa.

Town.	County.	Date.
Hughesville,	Lycoming,	Jan. 30-31.
Pinerun,	Lycoming,	Feb. 1.
Limestone Twp.,	Lycoming,	Feb. 2-3.
Waterville,	Lycoming,	Feb. 4.
Woolrich,	Clinton,	Feb. 6-7.
Lamar,	Clinton,	Feb 8-9.
Loganton,	Clinton,	Feb. 10-11.

MISS ADALINE C. BAKER, Kennett Square, Chester County, Pa.

Dallastown,	York,	Feb. 7.
New Freedom,	York,	Feb. 8.
Sanatoga,	Montgomery,	Feb. 22-23.
King of Prussia,	Montgomery,	Feb. 24-25.
Burnside,	Clearfield,	March 2.
DuBois,	Clearfield,	March 3.

CHAS. M. BARNITZ, Riverside, Northumberland County, Pa.

Estella,	Sullivan,	Dec. 26-27.
Muncy Valley,	Sullivan,	Dec. 28-29.
Tunkhannock,	Wyoming,	Jan. 9-10.
West Nicholson,	Wyoming,	Jan. 11-12.
Tioga,	Tioga,	Jan. 13-14.
Mitchell's Mills,	Tioga,	Jan. 16.
Mansfield,	Tioga,	Jan. 17-18.
Wellsboro,	Tioga,	Jan. 19-20.
Osceola,	Tioga,	Jan. 21.
Westfield,	Tioga,	Jan. 23-24.

M. S. BOND, Danville, Montour County, Pa.

Pineville,	Bucks,	Feb. 8-9.
Doylestown,	Bucks,	Feb. 10-11.
Plumsteadville,	Bucks,	Feb. 13-14.
Richlandtown,	Bucks,	Feb. 15-16.
Richboro,	Bucks,	Feb. 17-18.

F. E. BONSTEEL, Bear Lake, Warren County, Pa.

Town.	County.	Date.
Lewistown,	Mifflin,	Jan. 2-3.
Salisbury,	Somerset,	Jan. 4-5.
Somerset,	Somerset,	Jan. 6-7.
Stoyestown,	Somerset,	Jan. 9-10.
Bellwood,	Blair,	Jan. 11-12.
Newry,	Blair,	Jan. 13-14.
Williamsburg,	Blair,	Jan. 16-17.
Warriors Mark,	Huntingdon,	Jan. 18-19.
Petersburg,	Huntingdon,	Jan. 20-21.

ANDREW S. BORLAND, State College, Centre County, Pa.

Hughesville,	Lycoming,	Jan. 30-31.
Pinerun,	Lycoming,	Feb. 1.
Limestone Twp.,	Lycoming,	Feb. 2-3.
Waterville,	Lycoming,	Feb. 4.

J. W. BRUCKART, Lititz, Lancaster County, Pa.

Orange,	Luzerne,	Jan. 9-10.
Sweet Valley,	Luzerne,	Jan. 11-12.
Hobbie,	Luzerne,	Jan. 13-14.
Ackermanville,	Northampton,	Jan. 30-31.
Tatamy,	Northampton,	Feb. 1-2.
Cherryville,	Northampton,	Feb. 3-4.
New Mahoning,	Carbon,	Feb. 6-7.
Stemlersville,	Carbon,	Feb. 8-9.
Weatherly,	Carbon,	Feb. 10-11.

E. E. CALLAHAN, Ferenbaugh, N. Y.

Beavertown,	Snyder,	Jan. 30-31.
Mt. Pleasant Mills,	Snyder,	Feb. 1-2.
Rebucks,	Northumberland,	Feb. 3-4.

J. T. CAMPBELL, Hartstown, Crawford County, Pa.

Will attend all meetings in the Fifth Section.

FRED. W. CARD, Sylvania, Bradford County, Pa.

Will attend all meetings in the Fifth Section from November 22 to December 9; First Section from December 26 to January 21, and February 6 to March 7.

MISS ARABELLA CARTER, No. 1305 Arch Street, Philadelphia, Pa.

Town.	County.	Date.
Ackermanville,	Northampton,	Jan. 30-31.
Tatamy,	Northampton,	Feb. 1-2.
Cherryville,	Northampton,	Feb. 3-4.
Dallastown,	York,	Feb. 7.
New Freedom,	York,	Feb. 8.
Centre Point,	Montgomery,	Feb. 28.
Harleysville,	Montgomery,	March 1.
Burnside,	Clearfield,	March 2.
DuBois,	Clearfield,	March 3.

M. N. CLARK, Claridge, Westmoreland County, Pa.

Graysville,	Greene,	Nov. 21-22.
Holbrook,	Greene,	Nov. 23-24.
Amity,	Washington,	Nov. 25-26.
Farmington,	Fayette,	Dec. 5-6.
Morris Cross Roads,	Fayette,	Dec. 7-8.
Adamsburg,	Westmoreland,	Dec. 9-10.

PROF. W. A. COCHEL, State College, Centre County, Pa.

Millerstown,	Perry,	Jan. 13-14.
Harleysville,	Montgomery,	March 1-2.
East Greenville,	Montgomery,	March 3-4.

DR. M. E. CONARD, Westgrove, Chester County, Pa.

Will attend the Movable Institute Schools from November 30 to January 31, and Farmers' Institutes in the Fourth Section from February 6 to March 2.

PROF. WELLS W. COOKE, Department of Agriculture, Washington, D. C.

Will attend the Movable Institute Schools from November 30 to February 2, and Farmers' Institutes, First Section, December 9 and 10.

CHAS. T. CORNMAN, Carlisle, Cumberland County, Pa.

Will attend all meetings in the First Section from November 21 to December 3; Fourth Section December 30 to January 7; Movable Institute Schools January 9-10, Feb. 3-4, and the Fifth Section February 13 to 21.

JOHN W. COX, New Wilmington, Lawrence County, Pa.

Town.	County.	Date.
Muncy Valley,	Sullivan,	Dec. 26-27.
Estella,	Sullivan,	Dec. 28-29.
Le Roy,	Bradford,	Dec. 30-31.
Wilmont,	Bradford,	Jan. 2-3.
Spring Hill,	Bradford,	Jan. 4-5.
Wysox,	Bradford,	Jan. 6-7.
Tunkhannock,	Wyoming,	Jan. 9-10.
West Nicholson,	Wyoming,	Jan. 11-12.

DR. J. D. DETRICH, No. 438 Adams Avenue, Scranton, Pa.

Salisbury,	Somerset,	Jan. 4-5.
Somerset,	Somerset,	Jan. 6-7.
Stoyestown,	Somerset,	Jan. 9-10.
Tioga,	Tioga,	Jan. 13-14.
Mitchell's Mills,	Tioga,	Jan. 16.
Mansfield,	Tioga,	Jan. 17-18.
Wellsboro,	Tioga,	Jan. 19-20.
Osceola,	Tioga,	Jan. 21.
Westfield,	Tioga,	Jan. 23-24.
Allentown,	Lehigh,	Feb. 1-2.
Worthington,	Armstrong,	Feb. 20-21.
New Kensington,	Westmoreland,	Feb. 22-23.
Fairfield,	Westmoreland,	Feb. 24.
Cookport,	Indiana,	Feb. 27-28.
Homer City,	Indiana,	March 1-2.
Clarksburg,	Indiana,	March 3-4.
Plumville,	Indiana,	March 6-7.

ELMER E. DOCKEY, Elizabethville, R. F. D., Dauphin County, Pa.

Oliveburg,	Jefferson,	Nov. 21-22.
Roseville,	Jefferson,	Nov. 23-24.
Ridgway,	Elk,	Nov. 25-26.
St. Marys,	Elk,	Nov. 28-29.
Sinnamahoning,	Cameron,	Nov. 30.

E. B. DORSETT, Mansfield, Tioga County, Pa.

Will attend all meetings in the First Section from November 21 to December 10 and the Fourth Section from January 30 to February 11.

W. M. C. DRAKE, Volant, Lawrence County, Pa.

Will attend all meetings in the Fourth Section from November 21-26 and the Third Section from November 28 to December 10 and February 17 to February 23.

I. A. ESCHBACH, Milton, R. F. D. No. 1, Northumberland County, Pa.

Town.	County.	Date.
Bachmanville,	Dauphin,	Dec. 5.
Hummelstown,	Dauphin,	Dec. 6.
Linglestown,	Dauphin,	Dec. 7-8.
Gratz,	Dauphin,	Dec. 9-10.

H. M. EVANS, Dillsburg, York County, Pa.

New Oxford,	Adams,	Dec. 27.
York Springs,	Adams,	Dec. 28.

F. H. FASSETT, Meshoppen, Wyoming County, Pa.

Will attend all meetings in the First Section from December 5 to January 7; Fourth Section from January 13 to January 24 and the Second Section from February 6 to 10 and February 27 to March 9.

MISS JEAN KANE FOULKE, West Chester, Chester County, Pa.

Fawn Grove,	York,	Dec. 27-28.
Annville,	Lebanon,	Dec. 29-30.
Allentown,	Lehigh,	Feb. 3.
Media,	Delaware,	Feb. 24-25.
Concordville,	Delaware,	Feb. 27.
Cedarville,	Chester,	March 7.

H. R. FULTON, State College, Centre County, Pa.

Jacksville,	Butler,	Jan. 2-3.
Muddy Creek,	Butler,	Jan. 4-5.
West Sunbury,	Butler,	Jan. 6-7.

DR. WM. FREAR, State College, Centre County, Pa.

Mt. Pleasant Church,	Beaver,	Dec. 26-27.
Hookstown,	Beaver,	Dec. 28-29.
Grange Hall,	Beaver,	Dec. 30-31.
Sanatoga,	Montgomery,	Feb. 22-23.
King of Prussia,	Montgomery,	Feb. 24-25.
Centre Point,	Montgomery,	Feb. 27-28.

DR. J. H. FUNK, Boyertown, Berks County, Pa.

Will attend Movable Institute Schools from December 2 to February 2 and Farmers' Institutes in the Fifth Section from February 6 to March 4.

CYRUS T. FOX, Division of Zoology, Department of Agriculture, Harrisburg, Pa.

Town.	County.	Date.
North East,	Erie,	Feb. 27-28.
Girard,	Erie,	Mar. 1-2.

SHELDON W. FUNK, Boyertown, Berks County, Pa.

Quarryville,	Lancaster,	Nov. 21-22.
Lampeter,	Lancaster,	Nov. 23-24.
Paradise,	Lancaster,	Nov. 25-26.
Mechanicsville,	Lancaster,	Nov. 28-29.
Ephrata,	Lancaster,	Nov. 30-Dec. 1.
Maytown,	Lancaster,	Dec. 2-3.

C. L. GOODLING, State College, Centre County, Pa.

Orange,	Luzerne,	Jan. 9-10.
Sweet Valley,	Luzerne,	Jan. 11-12.
Hobbie,	Luzerne,	Jan. 13-14.
Mausdale,	Montour,	Feb. 13-14.
Vicksburg,	Union,	Feb. 15-16.
Laurelton,	Union,	Feb. 17-18.

PROF. FRANK D. GARDNER, State College, Centre County, Pa.

Hickory,	Forest,	Feb. 24-25.
North East,	Erie,	Feb. 27-28.
Girard,	Erie,	March 1-2.

J. W. GREGG, State College, Centre County, Pa.

Germansville,	Lehigh,	Jan. 20-21.
Macungie,	Lehigh,	Jan. 22-23.

EDW. K. HIBSHMAN, Ephrata, Lancaster County, Pa.

Geigertown,	Berks,	Jan. 30.
Beckersville,	Berks,	Jan. 31.
Mt. Aetna,	Berks,	Feb. 1-2.
Kutztown,	Berks,	Feb. 3-4.
Amityville,	Berks,	Feb. 6-7.

JOEL A. HERR, Millhall, Clinton County, Pa.

Kresgeville,	Monroe,	Jan. 16-17.
Brodheadsville,	Monroe,	Jan. 18.
Marshalls Creek,	Monroe,	Jan. 19-20.
Ackermanville,	Northampton,	Jan. 30-31.
Tatamy,	Northampton,	Feb. 1-2.
Cherryville,	Northampton,	Feb. 3-4.

W. F. HILL, Huntingdon, Huntingdon County, Pa.

Town.	County.	Date.
Midway,	Washington,	Nov. 28-29.
Bentleyville,	Washington,	Nov. 30-Dec. 1.
Flatwoods,	Fayette,	Dec. 2-3.

GEO. E. HULL, Transfer, R. F. D., Mercer County, Pa.

Mt. Jackson,	Lawrence,	Jan. 16-17.
Princeton,	Lawrence,	Jan. 18-19.
Eastbrook,	Lawrence,	Jan. 20-21.
Brown Hill,	Crawford,	Jan. 30-31.
Blooming Valley,	Crawford,	Feb. 1-2.
Black Ash,	Crawford,	Feb. 3-4.

HOMER T. JACKSON, State College, Centre County, Pa.

Graysville,	Greene,	Nov. 21-22.
Holbrook,	Greene,	Nov. 23-24.
Amity,	Washington,	Nov. 25-26.
Spring Grove,	York,	Feb. 10-11.
Jonestown,	Lebanon,	Feb. 13-14.
Schaefferstown,	Lebanon,	Feb. 15-16.

A. J. KAHLER, Hughesville, Lycoming County, Pa.

Limestone,	Clarion,	Feb. 14-15.
Reimersburg,	Clarion,	Feb. 16-17.
Lickingville,	Clarion,	Feb. 20-21.
Tionesta,	Forest,	Feb. 22-23.

R. P. KESTER, Grampian, Clearfield County, Pa.

Will attend all meetings in the Third Section.

FRANK KLINE, Spring City, Chester County, Pa.

Blain,	Perry,	Jan. 9-10.
Ickesburg,	Perry,	Jan. 11-12.
Millerstown,	Perry,	Jan. 13.
Geigertown,	Berks,	Jan. 30.
Beckersville,	Berks,	Jan. 31.
Mt. Aetna,	Berks,	Feb. 1-2.
Kutztown,	Berks,	Feb. 3.
Germanstown,	Lehigh,	Feb. 20-21.
Macungie,	Lehigh,	Feb. 22-23.

J. H. LEDY, Marion, Franklin County, Pa.

Town.	County.	Date.
Marion,	Franklin,	Jan. 2-3.
Lemasters,	Franklin,	Jan. 4-5.
Dry Run,	Franklin,	Jan. 6-7.
Orange,	Luzerne,	Jan. 9-10.
Sweet Valley,	Luzerne,	Jan. 11-12.
Hobbie,	Luzerne,	Jan. 13-14.
Kresgeville,	Monroe,	Jan. 16-17.
Brodheadsville,	Monroe,	Jan. 18.
Marshalls Creek,	Monroe,	Jan. 19-20.

L. W. LIGHTY, East Berlin, Adams County, Pa.

Will attend all meetings in the First Section.

MISS SARA C. LOVEJOY, State College, Centre County, Pa.

Quarryville,	Lancaster,	Nov. 22.
Lampeter,	Lancaster,	Nov. 23.
Youngsville,	Warren,	Dec. 8.
Sugargrove,	Warren,	Dec. 9.
Unionville,	Chester,	Feb. 2.
Jackson Centre,	Mercer,	Feb. 11.
New Wilmington,	Lawrence,	Feb. 13.
Unionville,	Centre,	Feb. 23.
Eagleville,	Centre,	Feb. 24.

PROF. T. I. MAIRS, State College, Centre County, Pa.

Farmington,	Fayette,	Dec. 5-6.
Morris Cross Roads,	Fayette,	Dec. 7-8.
Adamsburg,	Westmoreland,	Dec. 9-10.
Atglen,	Chester,	Feb. 17-18.
Bustleton,	Philadelphia,	Feb. 20-21.
Newtown Square,	Delaware,	Feb. 22-23.

M. H. McCALLUM, Wernersville, Berks County, Pa.

Will attend all meetings in the Fifth Section from December 27 to January 7; Third Section from January 9 to January 21 and the First Section from January 30 to February 4.

C. C. McCURDY, Hartstown, Crawford County, Pa.

Graysville,	Greene,	Nov. 21-22.
Holbrook,	Greene,	Nov. 23-24.
Amity,	Washington,	Nov. 25-26.
Jacksville,	Butler,	Jan. 2-3.
Muddy Creek,	Butler,	Jan. 4-5.
West Sunbury,	Butler,	Jan. 6-7.

M. S. McDOWELL, State College, Centre County, Pa.

Will attend all meetings in the First Section from January 16 to February 9.

W. H. McINTIRE, State College, Centre County, Pa.

Town.	County.	Date.
New Texas,	Allegheny,	Jan. 9-10.
Montour Church,	Allegheny,	Jan. 11-12.
Bakerstown,	Allegheny,	Jan. 13-14.

PROF. FRANKLIN MENGES, York, York County, Pa.

Will attend all meetings in the Second Section.

MRS. GEO. E. MONROE, Dryden, N. Y.

Madisonville,	Lackawanna,	Nov. 22-23.
Daleville,	Lackawanna,	Nov. 25-26.
Tompkinsville,	Lackawanna,	Nov. 28-29.

D. K. MURRAY, Liverpool, Perry County, Pa.

Warfordsburg,	Fulton,	Nov. 25-26.
Needmore,	Fulton,	Nov. 28-29.
Charlesville,	Bedford,	Nov. 30-Dec. 1.
New Enterprise,	Bedford,	Dec. 2-3.
Woodbury,	Bedford,	Dec. 5-6.
Patton,	Cambria,	Dec. 7-8.
Loretto,	Cambria,	Dec. 9-10.
Wilmore,	Cambria,	Dec. 12-13.

HENRY W. NORTHUP, Dalton, R. F. D., Lackawanna County, Pa.

Will attend all meetings in the Second Section from November 25 to December 13 and the First Section from February 13 to Feb. 18.

PROF. WM. G. OWENS, Lewisburg, Mifflin County, Pa.

Vandyke,	Juniata,	Dec. 26-27.
McCoysville,	Juniata,	Dec. 28-29.
Belleville,	Mifflin,	Dec. 30-31.

J. H. PEACHEY, Belleville, Mifflin County, Pa.

Will attend all meetings in the Fourth Section.

T. J. PHILIPS, Atglen, Chester County, Pa.

Will attend all meetings in Part Two of the Fifth Section from January 30 to February 23.

E. L. PHILLIPS, New Bethlehem, Clarion County, Pa.

Town.	County.	Date.
Worthington,	Armstrong,	Feb. 20-21.
New Kensington,	Westmoreland,	Feb. 22-23.
Fairfield,	Westmoreland,	Feb. 24.
Cookport,	Indiana,	Feb. 27-28.
Homer City,	Indiana,	March 1-2.
Clarksburg,	Indiana,	March 3-4.
Plumville,	Indiana,	March 6-7.

DR. W. T. PHILLIPY, Carlisle, Cumberland County, Pa.

Will attend all meetings in the Fourth Section from November 21 to December 10 and Part Two of the Fifth Section from January 30 to February 23.

CHAS. H. RICH, Woolrich, Clinton County, Pa.

Will attend all meetings in the Fourth Section from December 1 to December 10.

PROF. J. P. PILLSBURY, State College, Centre County, Pa.

Midway,	Washington,	Nov. 28-29.
Bentleyville,	Washington,	Nov. 30-Dec. 1.
Flatwoods,	Fayette,	Dec. 2-3.

WARREN G. ROSS, State College, Centre County, Pa.

Hogestown,	Cumberland,	Jan. 30.
Churchtown,	Cumberland,	Jan. 31.
Lewisberry,	York,	Feb. 1-2.
Dover,	York,	Feb. 3-4.

ROBT. S. SEEDS, Birmingham, Huntingdon County, Pa.

Will attend all meetings in the Fourth Section from December 30 to January 7 and in the First Section from January 9 to January 14.

PROF. CHAS. F. SHAW, State College, Centre County, Pa.

New Wilmington,	Lawrence,	Feb. 13-14.
Dayton,	Armstrong,	Feb. 15-16.

A. W. STEPHENS, Hebron, Ohio.

Will attend all meetings in the Third Section from January 30 to February 18.

W. H. STOUT, Pinegrove, Schuylkill County, Pa.

Town.	County.	Date.
Bellwood,	Blair,	Jan. 11-12.
Newry,	Blair,	Jan. 13-14.
Williamsburg,	Blair,	Jan. 16-17.
Warriors Mark,	Huntingdon,	Jan. 18-19.
Petersburg,	Huntingdon,	Jan. 20-21.

MISS SARA PHILLIPS THOMAS, Wayne, R. F. D., Delaware County, Pa.

Belleville,	Mifflin,	Dec. 30-31.
Lewistown,	Mifflin,	Jan. 2-3.
Clarks Green,	Lackawanna,	Jan. 4.
Berwick,	Columbia,	Jan. 5.
Catawissa,	Columbia,	Jan. 6.
Franklin,	Venango,	Jan. 10-11.
Edinboro,	Erie,	Jan. 12-13.
Hartstown,	Crawford,	Jan. 16.
Scottdale,	Westmoreland,	Jan. 17.
Allentown,	Lehigh,	Feb. 3.

LEON OTICE VAN NOY, Troy, R. F. D. No. 66, Bradford County, Pa.

Will attend all meetings in the Third Section from January 9 to February 18 and the Second Section from February 20 to March 9.

C. B. WADE, Orangeville, Ohio.

Mt. Pleasant Church,	Beaver,	Dec.. 26-27.
Hookstown,	Beaver,	Dec. 28-29.
Grange Hall,	Beaver,	Dec. 30-31.
Jacksville,	Butler,	Jan. 2-3.
Muddy Creek,	Butler,	Jan. 4-5.
West Sunbury,	Butler,	Jan. 6-7.

F. J. WAGNER, Harrison City, Westmoreland County, Pa.

Fairfield,	Westmoreland,	Feb. 24.
Cookport,	Indiana,	Feb. 27-28.
Homer City,	Indiana,	March 1-2.
Clarksburg,	Indiana,	March 3-4.
Plumville,	Indiana,	March 6-7.

D. H. WATTS, Kerrmoor, Clearfield County, Pa.

Will attend all meetings in the Fifth Section from November 22 to December 9 and the Second Section from December 26 to February 25.

R. J. WELD, Sugargrove, Warren County, Pa.

Town.	County.	Date.
Sterling Run,	Cameron,	Dec. 1.
Rich Valley,	Cameron,	Dec. 2.
Sizerville,	Cameron,	Dec. 3.
Newerf,	McKean,	Dec. 5-6.
Turtle Point,	McKean,	Dec. 7-8.
Bell Run,	McKean,	Dec. 9-10.

PROF. R. L. WATTS, State College, Centre County, Pa.

Catawissa,	Columbia,	Jan. 9-10.
Allentown,	Lehigh,	Feb. 3-4.

W. THEO. WITTMAN, Allentown, Lehigh County, Pa.

Will attend Movable Institute Schools from December 2 to February 2; Farmers' Institutes in Second Section, November 25 to November 30; February 27 to March 9; Part Two of the Fifth Section from February 8 to February 18 and the First Section from February 20 to February 25.

S. PAUL WOODMAN, Rushland, Bucks County, Pa.

Will attend all meetings in the Fifth Section from December 27 to January 7 and First Section from February 24 to March 7.

MRS. SARA B. F. ZEIGLER, Duncannon, Perry County, Pa.

Patton,	Cambria,	Dec. 7-8.
Loretto,	Cambria,	Dec. 9-10.
Wilmore,	Cambria,	Dec. 12-13.
Clarks Green,	Lackawanna,	Jan. 4.
Berwick,	Columbia,	Jan. 5.
Catawissa,	Columbia,	Jan. 6.
Franklin,	Venango,	Jan. 10-11.
Edinboro,	Erie,	Jan. 12-13.
Hartstown,	Crawford,	Jan. 16.
Scottdale,	Westmoreland,	Jan. 17.

GENERAL LIST OF INSTITUTE LECTURERS WITH THEIR SUBJECTS

1910-1911

ANDERSON, H. M., New Park, Pa.:

1. Home Mixed Fertilizers.
2. Conservation of Soil Moisture.
3. Potato Culture.
4. Leguminous Crops.
5. Orchard Management.
6. Corn Culture.

BAKER, MISS ADALINE C., Kennett Square, Chester County, Pa.:

1. Ten Years Practical Experience in Dairy Farming.
2. How Shall We Educate Our Girls?
3. Our Children: Our Teachers.
4. A Miniature County Fair.
5. Farm Demonstration Work.
6. The Farm Tenement, Portable.
7. Our Social Horizon.
8. The Family Driver.
9. Institute Notes.
10. A Story.

BARNITZ, CHAS. M., Riverside, Pa.:

1. Best Farm Breeds and Their Needs.
2. Waterfowl on the Farm and Their Culture.
3. Turkey Raising—How to Succeed.
4. The Common Diseases of Poultry—Their Prevention and Cure.
5. Poultry Parasites—Their Description and Destruction.
6. Feeding for Winter Eggs and Fancy Flesh.
7. The Modern Poultry House—It's Location, Construction and Furniture.
8. Artificial Incubation and Brooding.
9. Mother Hen, Her Brood and Their Care.
10. The Chick from Shell to Maturity.

BOND, M. S., Danville, Pa.:

1. How, When and Why I use Lime.
2. Some Things that are and are not Facts in Potato Growing.
3. Why do the Boys and Girls Leave the Farm?
4. Clover—Easy to Grow.
5. Profits in Market Gardening or Intense Farming.
6. Waste and Profit in Use of Commercial Fertilizers in 35 Years Experience.
7. Some Things we should Know.

BONSTEEL, F. E., Bear Lake, Pa.:

1. Pennsylvania Soil Types.
2. Soil Management.
3. Adaptation of Crops to Soils.
4. Fertilizers, Home Mixing and Use.
5. Farm Buttermaking.
6. Feeding and Care of Dairy Cattle.
7. Reclaiming a Run Down Farm.

BORLAND, ANDREW A., State College, Pa.:

1. The Silo as a Money Maker.
2. Do the Cows Pay?
3. Making Farm Life Interesting to Boys.

BRUCKART, J. W., Lititz, Pa.:

1. The Poultry Department on the Farm. (45 minutes.)
2. Better Poultry and More of it. (30 minutes.)
3. Success with Poultry in Limited Quarters. (30 minutes.)
4. Profitable Market Gardening. (45 minutes.)
5. Strawberry and Small Fruit Culture. (45 minutes.)
6. Personal Experience with Lime and the Legumes. (20 minutes.)
7. San Jose Scale and How to Control It. (20 minutes.)
8. Starting an Orchard. (45 minutes.)

CALLAHAN, E. E., Ferenbaugh, N. Y.

1. How We Prepared our New York Abandoned Farm for Crops and the Cost.
2. How we Made some Money with Small Pigs.
3. How we Grow and Cure our Hay Crop.
4. How to Keep our Boys on the Farm.
5. How we Make and Sell our Butter on and off the Farm.
6. How we shall Secure our Water Supply.

CAMPBELL, J. T., Hartstown, Crawford Co., Pa.:

1. Poultry Houses and Fixtures. (40 minutes.)
2. Poultry Breeds and Breeeding. (40 minutes.)
3. Poultry Foods and Feeding. (50 minutes.)
4. Poultry Incubators and Brooders. (40 minutes.)
5. Poultry Feeding and Care of Little Chicks. (40 minutes.)
6. Poultry Lice, Gaps and Diseases. (30 minutes.)
7. Poultry, The Business Side. (30 minutes.)
8. Poultry, The Basic Principles of Soil Improvement. (40 minutes.)
9. Economic Maintenance of the Productive Power of the Soil. (45 minutes.)
10. The Making of the Soil. (Special with Lantern Slides only.) (50 minutes.)
11. The Farm of Life (Evening Lecture). (60 minutes.)

CARD, FRED W., Sylvania, Pa.:

1. Soil Fertility.
2. Fruit Growing.
3. Business Management of the Farm.
4. Farm Accounts.
5. Swine Husbandry. (20 minutes.)
6. Ornamental Planting of Home Grounds.
7. The Farm Home.
8. The Call of the Land.
9. The Education We Need.
10. Some Things Outside the Farmyard Gate.

CARTER, MISS ARABELLA, 1305 Arch, Philadelphia, Pa.:

1. Women in Business. (20 minutes.)
2. Mothers as Chums. (25 minutes.)
3. The Duty of Cheerfulness. (15 minutes.)
4. Successful Success. (15 minutes.)
5. Cranks. (15 minutes.)
6. Little Ways of Saving. (15 minutes.)

CLARK, M. N., Claridge, Pa.:

1. Buying and Care of Farm Implements.
2. A Money Maker; "Grow Hogs."
3. Theory and a Practical Education.
4. A Help to Agriculture in the Common Schools.
5. Marketing the Products of the Farm.
6. The Grange a Great Educator.
7. To Grow the Peach Successfully.
8. Some of the Mistakes Many Farmers Make.
9. How Can the Farm be Made Attractive. (25 to 35 minutes.)

COCHEL, PROF. W. A., State College, Pa.:

1. Beef Cattle for Pennsylvania.
2. Profitable Hog Feeding.
3. Horse Production in Pennnsylvania.
4. Animal Husbandry Work at State College.
5. Silage for Steers. (30 to 45 minutes.)

CONARD, DR. M. E., Westgrove, Pa.:

1. Economical Production of Market Milk.
2. Essential Points in the Production of Wholesome Milk and Why.
3. Testing Milk for Butter Fat—Demonstrated.
4. Pasteurization, and What it Does for the Dairyman.
5. Selecting, Feeding and Raising the Calf to Build up the Dairy Herd.
6. Cow Stable Construction, Cement Floors for Comfort and Cleanliness.
7. Selecting and Breeding Horses for Farm and Market.
8. Some of the Common Causes of Lameness and How They May be Prevented.

COOKE, PROF. WELLS W., U. S. Department of Agriculture, Washington, D. C.:

1. Commercial Fertilizers; Their Purchase and Use.
2. Testing Milk and It's Products.
3. Alfalfa Growing in Pennsylvania.
4. Economical Feeding of Farm Stock.
5. The Restoration and Preservation of a Worn Out Soil.
6. The Most Profitable Use of the Silo.
7. The Effect of Feed on the Quantity and Quality of the Milk.
8. Nature Study in the Public Schools.
9. The Economical Feeding of the Farmer's Family.

CORNMAN, CHAS. T., Carlisle, Pa.:

1. Poultry Diseases and Poultry Pests. (30 minutes.)
2. Practical Poultry Houses and Appliances. (30 minutes.)
3. Eggs and What They Mean to the Farmer. (30 minutes.)
4. Poor Bred Poultry. Does It Pay? (30 minutes.)
5. How Best to Improve Farm Flocks. (30 minutes.)
6. Birds of Pennsylvania; Their Value to the Farmer. (Evening.) (45 minutes.)

COX, JOHN W., New Wilmington, Pa.:

1. A Practical Education for the Farmer.
2. The Easiest and Most Profitable Way to Grow Potatoes.
3. Feeding and Care of Poultry.

4. Commercial Fertilizer and Lime.
5. Construction and Use of the Road Drag.
6. How to Increase Soil Production.
7. Insect Pests of Fruit Trees.

DETRICH, DR. J. D., No. 438 Adams Ave., Scranton, Pa.:

1. How to Keep Twenty Head or More of Dairy Animals on Fifteen Acres.
2. Twenty-five Years Experience in Soiling.
3. Sixteen Years Experience with the Wooden Silo.
4. How to Grow Crops on a Fifteen Acre Farm and no Fertilizer.
5. Feed, Breed and Care of the Dairy.
6. Farmers Raise Your Own Cows, but Buy Your Own Bull.
7. The Agricultural College and the Farmer.
8. The Farmers' Waste Basket.
9. The Small Farm vs. the Large Farm.
10. Bench, Book and Farm.
11. How to Raise Crops Without Weeds.

DOCKEY, ELMER E., Elizabethville, Pa.:

1. Alfalfa and How to Grow it Successfully.
2. Value of Corn and How to Raise a Successful Crop.
3. The Farmer's Boy and Girl and How to Keep Them on the Farm.
4. The Necessity of Farmer's Organizations.
5. How to Handle Barnyard Manure Successfully.

DORSETT, E. B., Mansfield, Tioga Co., Pa.:

1. Building up the Dairy Herd. (30 minutes.)
2. The Profits of Dairying. (30 minutes.)
3. Feed and Care of the Dairy Cow. (30 minutes.)
4. The Silo and It's Uses. (30 minutes.)
5. Why Farmers Should Organize. (30 minutes.)
6. Why and How Agriculture Should be Taught in our Public Schools. (30 minutes.)
7. The Real Factors of a Country Home. (Evening.) (45 minutes.)
8. America's Uncrowned Queen. (Evening.) (45 minutes.)

DRAKE, W. M. C., Volant, Lawrence Co., Pa.:

1. How to Grow Clover. (40 minutes.)
2. Corn Breeding and Selection of Seed. (40 minutes.)
3. Breeding, Feeding and Care of Sheep. (45 minutes.)
4. The Use of Commercial Fertilizer. (40 minutes.)
5. Raising Horses in Pennnsylvania. (40 minutes.)
6. Growing Potatoes. (30 minutes.)
7. Growing Orchard Fruits. (45 minutes.)
8. The Farmers' Poultry Plant. (30 minutes.)
9. The Future Farmer's Education. (50 minutes.)
10. Home Influence. (50 minutes.)

ESCHBACH, I. A., Milton, R. F. D. No. 1, Northumberland Co., Pa.:

1. Value of Fertility. (20 minutes.)
2. Importance of Livestock on the Pennsylvania Farm. (30 minutes.)
3. Silos and Silage. (20 minutes.)
4. Farm Conveniences. (25 minutes.)
5. The Education of Farmer's Boys. (20 minutes.)
6. Farmer's Roads and How to Improve Them. (20 minutes.)

EVANS, H. M., Dillsburg, Pa.:

1. Some Things to Think About.
2. One Plant but Many Branches. (45 minutes.)
3. A Suggested Course for Our Rural Schools. (45 minutes.)
4. How to Increase the Yield of Corn. (20 minutes.)
5. Potatoes and How to Grow Them. (30 minutes.)
6. Birds, Their Value to the Farmer. (30 minutes.)

FASSETT, F. H., Meshoppen, Wyoming Co., Pa.:

1. Care and Management of the Orchard. (30 to 40 minutes.)
2. Pruning. (30 minutes.)
3. Spraying and Marketing. (30 minutes.)
4. Budding and Grafting. (25 minutes.)
5. Strawberries. (30 minutes.)
6. Some Orchard Insects and Remedies. (30 to 40 minutes.)
7. Peaches. (30 minutes.)

FOULKE, MISS JEAN KANE, West Chester, Pa.:

1. The Woman Farmer—Her Difficulties and Possibilities. (20 to 30 minutes.)
2. Our Neglected Opportunities. (20 to 30 minutes.)
3. Independence and Interdependence.
4. "Little Orphan Annie," or The Child on the Farm. (30 minutes.)
5. Cheap and Easy Means to Health and Comfort. (20 to 30 minutes.)
6. The Charm of the Churn. The Essentials of Butter Making. (20 minutes.)
7. Barn Buildings, Old and New. (30 minutes.)
8. Weeds—How to Grow Them and How Not to Grow Them. (30 minutes.)
9. The Woman's Place in the Life on the Farm. (30 minutes.)

FULTON, H. R., State College, Pa.:

1. The Common Smuts of Grains.
2. Some Potato Diseases.
3. Apple Scab.
4. How Parasite Fungi Live Over Winter.
5. Ways of Controlling Fungus Diseases. (20 to 50 minutes.)

FREAR, DR. WM. State College, Centre Co., Pa.:

1. Fertilizer Economics. (20 minutes.)
2. Accumulation and Uses of Humus. (20 minutes.)
3. Condimental Stock Foods; Their Uses and Abuses. (20 minutes.)
4. Selection of Seed Corn. (30 minutes.)
5. The Gain in Soil Nitrogen Resulting From the Use of Leguminous Crops. (20 minutes.)
6. The Value of Limestone as Compared with Lime for Soil Improvements. (20 minutes.)
7. Pennsylvania Experience in Growing Sumatra-type Tobacco. (20 minutes.)

FUNK, DR. J. H., Boyertown, Berks Co., Pa.:

1. Commercial Orcharding. (45 minutes.)
2. Pruning, Fertilizing and Thinning. (45 to 60 minutes.)
3. Spraying. (45 minutes.)
4. San Josè Scale and other Insects. (45 minutes.)
5. Small Fruits. (45 minutes.)
6. The Peach and How to Raise It. (45 minutes.)
7. How a Tree Grows. Suitable for Schools. (45 minutes.)
8. Potato Culture. (45 to 60 minutes.)
9. Birds and Insects. (Evening Lecture.) (45 to 60 minutes.)

FUNK, SHELDON W., Boyertown, Berks Co., Pa.:

1. Modern Peach Culture. (25 to 30 minutes.)
2. Potato Culture. (25 to 30 minutes.)
3. Gardening for the Home and Market. (25 to 30 minutes.)
4. Small Fruit Culture. (25 to 30 minutes.)
5. Flowers and Their Care (in the House and Lawn). (30 to 35 minutes.)

GOODLING, C. L., State College, Pa.:

1. Economic Production of Milk. (25 minutes.)
2. Cow Testing Associations. (25 minutes.)
3. Silos and Their Value. (20 minutes.)
4. Selection and Breeding of Cattle. (20 minutes.)
5. Some Experimental Results. (30 minutes.)

GARDNER, PROF. FRANK D., State College, Centre County, Pa.:

1. Corn Improvement by Selection, Breeding and Testing. (30-40 minutes.)
2. Principles of Applying Fertilizers. (30 minutes.)
3. Soil Fertility and How to Maintain It. (30-40 minutes.)
4. Alfalfa and How to Grow It. (30 minutes.)
5. Land Drainage. (30 minutes.)
6. Concrete for Farm Buildings. (30 minutes.)

HIBSHMAN, EDWARD K., Ephrata, Pa.:

1. History of the Tobacco Plant. (30 minutes.)
2. Selection and Care of the Tobacco Seed-plants. (30 minutes.)
3. Cultivation and Harvesting of Tobacco. (30 minutes.)
4. Alfalfa. (30 minutes.)
5. Lime. (30 minutes.)
6. Cover-crops.(20 minutes.)

HERR, J. A., Millhall, R. F. D., Clinton County, Pa.:

1. The Intelligent Use of Commercial Fertilizers. (30 minutes.)
2. Specialities in Farming.
3. The Problem of Making Road.
4. Selection and Breeding of Dairy Cows.
5. Starting an Orchard.
6. The Farmer as a Citizen.
7. The Bright Side of Farm Life.
8. The Value of a Wood Lot.
9. Increasing Farm Fertility.
10. Educating for the Farm.

HILL, W. F., Huntingdon, Huntingdon County, Pa.:

1. Desirable Soil Conditions.
2. Saving and Applying Manure.
3. Observations in Our Country.
4. Observations in Foreign Lands.
5. Organization; The Present Power.
6. Farmers in the Field of Banking. (20 minutes each.)

HULL, GEO. E., Transfer, R. F. D., Mercer County, Pa.:

1. Producing and Marketing Clean Milk. (25 minutes.)
2. Making and Marketing Good Butter. (30 minutes.)
3. History of the Dairy Breeds of the Cow. (25 minutes.)
4. Construction and Filling of Silos. (20 minutes.)
5. Construction of a Labor Saving Dairy Barn. (25 minutes.)
6. Getting Along in the World, on the Farm. (30-40 minutes.)
7. The Farm Water Supply. (20 minutes.)
8. Our Farm Homes. (30 minutes.)

JACKSON, HOMER W., State College, Pa.:

1. Farm Poultry.
2. Winter Eggs.
3. Artificial Incubation and Brooding.
4. Hatching and Raising Chicks with Hens.
5. Poultry Houses.
6. Breeds of Poultry.
8. Going Into the Chicken Business. (Night.)
9. Poultry Diseases.

KAHLER, A. J., Hughesville, Pa..

1. Soil, Fertility and the Best Means of Increasing It.
2. What I Have Learned in 30 Years' Experience with a Dairy Cow.
3. Barnyard Manure and It's Application.
4. How to Get Profit out of a Hog.
5. What Legislation Does the Farmer Need?
6. My Experience with Lime as Commercial Fertilizer.
7. Centralization of Schools in our Rural Districts.
8. Give the Boys a Chance. (30-40 minutes.)

KESTER, R. P., Grampian, Pa.:

1. Making the Dairy Pay. (30-40 minutes.)
2. Economical Feeding of the Dairy Cow. (30-40 minutes.)
3. Dairy Types and Breeds. (30 minutes.)
4. The Silo. (30 minutes.)
5. Fruit Tree Management. (30-40 minutes.)
6. Small Fruit Growing. (30-40 minutes.)
7. Potato Growing. (30-40 minutes.)
8. Fertility Regained and Retained. (40 minutes.)
9. The Education We Need. (Evening Lecture.) (40 minutes.)
10. Some Fundamentals of a Country Home. (Evening Lecture.) (40 minutes.)
11. The Farmer as a Citizen. (Evening Lecture.) (40 minutes.)

KLINE, FRANK, Spring City, Pa.:

1. Hatching and Brooding Chicks. (30 minutes.)
2. Profitable Poultry—Feed, Houses and Care of Same. (30-45 minutes.)

LARSON, C. W., State College, Pa.:

1. The Babcock Test. (20-30 minutes.)
2. Farm Buttermaking. (30-45 minutes.)
3. Judging and Grading Butter. (20-30 minutes.)
4. Producing Clean Milk. (30 minutes.)
5. Cheese Making. (30-60 minutes.)

LEDY, J. H., Marion, Franklin Co., Pa.:

1. General Fruit Growing and How to Take Care of the Trees.
2. Pruning the Orchard. (Illustrated.)
3. Peach Culture for Profit.
4. Cultivation and Fertilization of the Orchard.
5. The Farmer's Garden and How to Make it Profitable.
6. How to Build up a Poor Farm by the Use of Legumes.
7. Alfalfa, its Value and How to Grow It.
8. San Josè Scale and other Insects; How to Control Them.
9. Poultry for Profit and How to Make Hens Lay in January.
10. Spraying; Its Importance and How to do it.
11. The Farmer's Wife; Her Trouble and How to Make Life Pleasant for Her.

LIGHTY L. W., East Berlin, Pa.:

1. The Farmer's Cow How to Make Her Profitable. (50 minutes.)
2. Feeeding and Housing the Dairy Cow. (30 minutes.)
3. The Silo as a Factor on the Dairy Farm. (30 minutes.)
4. Soiling Crops and How to Handle and Feed Them. (30 minutes.)
5. Culture and Feeding of the Corn Crop. (45 minutes.)
6. Value, Care and Handling of Farm Manure. (30 minutes.)
7. Producing and Marketing Dairy Products (Farm Buttermaking. (30 minutes.)
8. Improving and Maintaining the Fertility of the Soil. (30 minutes.)
9. Making a Home on the Farm. (30 minutes.)
10. Education and the Farmer. (45 minutes.)

LOVEJOY, MISS SARA C., State College, Pa.

1. A Talk on Foods. (20-30 minutes.)
2. Social Organizations Among Farmers. (20-30 minutes.)
3. Needs of the Rural Schools. (20-30 minutes.)
4. Present Day Needs of the Housekeeper. (20-30 minutes.)
5. The Care and Abuse of Farm Resources. (20-30 minutes.)
6. The Farm Home. (20-35 minutes.)

MAIRS, PROF. T. I., State College, Centre Co., Pa.:

1. Home Breeding for Farmers. (20-30 minutes.)
2. Livestock and Soil Fertility. (20-30 minutes.)
3. Economy in Feeding. (40-50 minutes.)
4. Balanced Rations for Boys and Girls. (30-40 minutes.)
5. School Training for Farm Life. (30-40 minutes.)
6. Home and School Hygiene. (20-30 minutes.)

McCALLUM, M. H., Wernersville, Pa.:

1. Alfalfa. (40 minutes.)
2. The Value of Home Experiments. (20 minutes.)
3. Essentials for Success with the Potato. (30 minutes.)
4. An Up-to-date Market Gardener. (30 minutes.)
5. Plant Food Economy. (30 minutes.)
6. What of the Future on the Farm? (30 minutes.)

McCURDY, C. C., Hartstown, Pa.:

1. Hatching and Raising Little Chicks. (25 minutes.)
2. Profitable Poultry on the Farm. (30 minutes.)
3. Poultry: Methods of Feeding. (20 minutes.)
4. Seed Corn: Selection and Improvement. (30 minutes.)
5. Corn Culture. (20-25 minutes.)
6. Potato Culture. (25 minutes.)
7. Practical Methods of Improving the Soil. (25-30 minutes.)

McDOWELL, M. S., State College, Pa.:

1. Soils and Fertilizers.
2. Lime and its Uses.
3. A Few Facts about Bacteria.
4. Insoluble Phosphates.
5. Agriculture and Art.

McINTIRE, W. H., State College, Pa.:

1. The Sources and Uses of Lime.
2. Various Forms of Phosphates and Their Availability.
3. Some Points on Soil Analysis.

MENGES, PROF. FRANKLIN, York, Pa.:

1. Domestic Chemistry in the Public Schools.
2. Maintenance of Soil Fertility and Soil Moisture.
3. Fixation of Free Nitrogen by Legumes and Soil Bacteria.
4. Methods for Introducing Clovers into Rotations.
5. Methods of Raising Hay.
6. Benefits of Corn Breeding.
7. Economy in Crop Production for Food Humus and Fertility.
8. Methods of Wheat Raising.
9. Industrial Alcohol in Agriculture.
10. The Necessity of Education for the Farmer.
11. Insect Life.

MONROE, MRS. GEO. E., Dryden, N. Y.

1. Farm Poultry.
2. Farm Sanitation (Taking up Water Supply and Disposal of Sewage, Building and Septic Tank.)

MURRAY, D. K., Liverpool, Pa.:

1. The Farm Orchard. (25-40 minutes.)
2. Scale Insects and Fungus Diseases. (30-45 minutes.)
3. Soil Fertility. (30 minutes.)
4. The Farm Garden. (25-30 minutes.)
5. The Commercial Orchard. (30-45 minutes.)
6. The Farmer. (An Economic Study.) (30 minutes.)

NORTHUP, HENRY W., Dalton, R. F. D., Lackawanna Co., Pa.:

1. Selection and Care and Management of the Dairy.
2. Practical Experience with the Silo.
3. Potato Growing.
4. The Exhaustion and Restoration of our Soil.
5. Fruit Culture.
6. Specialties in Farming.
7. Farm Products and How to Market Them.
8. Nature Study in the Country Schools.
9. Educating the Farmer and Increasing his Usefulness.
10. Desirable Country Homes and How to Enjoy Them. (30 minutes.)

OWENS, WM. G., Lewisburg, Pa.

1. Conservation on the Farm. (30 minutes.)
2. Care in the Production and Handling of Milk. (30 minutes.)
3. Sanitation on the Farm. (30 minutes.)
3. Formation and Improvement of Soils. (30 minutes.)
5. Manures and Their Values. (30 minutes.)
6. The Education a Farmer Needs. (60 minutes.)
7. The Country School and It's Teacher. (60 minutes.)
8. Weeds and the Farmer. (30 minutes.)

PEACHEY, J. H., Belleville, Mifflin County, Pa.:

1. Alfalfa.
2. Corn Culture.
3. Horse Breeding for Farmers.
4. Buttermaking on the Farm.
5. The Clover Crop, and How We Grow It.
6. The Problem of Education for the Country Children.
7. The Home on the Farm.
8. Soil Fertility.
9. The Emancipation of the Farmer.
10. Good-by; Take Care of the Farm. (30-45 minutes.)

PHILIPS, T. J., Atglen, Chester County, Pa.:

1. Commercial Fertilizers; What Use Are They? (30 minutes.)
2. The Best Use of Barnyard Manures. (30 minutes.)
3. Green Manures for the Farm. (25 minutes.)
4. How to Economize High Priced Feeds. (30 minutes.)
5. Lime: Does your Farm Need Some? (30 minutes.)
6. Why Does a Cow's Milk Change in Quantity? (30 minutes.)
7. The Silo, the Mortgage Lifter. (30 minutes.)
8. Poultry for Profit.
9. The Country Home As I See It. (45 minutes.)

PHILLIPS, E. L., R. F. D. 2, New Bethlehem, Pa.:

1. Construction of Poultry Houses. (25 minutes.)
2. Beginning the Poultry Business. (30 minutes.)
3. Better Oats Culture. (25 minutes.)
4. How to Buy Commercial Fertilizer and How To Use It. (30-35 minutes.)
5. The Need of Lime in the Soil. (25 minutes.)
6. Good Roads; How To Get Them.

PHILLIPY, W. T., M.D., Carlisle, Pa.:

1. Soils and Their Management.
2. Soil Fertility and How To Secure It.
3. Corn Selection and Culture.
4. Alfalfa Culture.

5. Potato Culture.
6. Poultry on The Farm.
7. Up-to-date Dairying.
8. Practical Fruit Growing for the Farmers.
9. Feeding Farm Animals.
10. The Most Imperative Duty of Our People.
11. The Old Farm. (35-45 minutes each.)

PILLSBURY, PROF. J. P., State College, Pa.:

1. Pruning and Tree Surgery. (25-30 minutes.)
2. Beautifying the Home Grounds. (30-40 minutes.)
3. School Ground Improvement. (25-30 minutes.)
4. Budding and Grafting. (30 minutes.)
5. Principles of Pruning. (20-30 minutes.)

ROSS, WARREN G., State College, Pa:

1. Some Phases of Soil Management. (20 minutes.)
2. Corn Growing. (20-30 minutes.)
3. Potatoes. (20-30 minutes.)

SEEDS, R. S., Birmingham, Huntingdon County, Pa.:

1. Value of Barnyard Manure. (30 minutes.)
2. Soil Improvement, The Keynote to Agriculture. (30 minutes.)
3. The Value of Fertility and Cheapest Way To Get It. (40 minutes.)
4. Education and the Farmer. (20 minutes.)
5. Benefits Derived From Farmers' Institutes. (20 minutes.)
6. What Constitutes a Country Home. (45 minutes.)
7. Mistakes in Life Exposed. (60 minutes.)

SHAW, PROF. CHAS. F., State College, Centre County, Pa.:

1. Soils of Northwestern Pennsylvania; Their Character, Needs and Crop Adaptations. (30-60 minutes.)
2. Soils of Southwestern Pennsylvania; Their Character, Needs and Crop Adaptations. (30-60 minutes.)
3. Soils of Central Pennnsylvania; Their Character, Needs and Crop Adaptations. (30-60 minutes.)
4. Soils of Southeastern Pennsylvania; Their Character, Needs and Crop Adaptations. (30-60 minutes.)
5. Soil Management. (30-60 minutes.)
6. The Need and Use of Lime. (30-60 minutes.)
7. Saving the Soil Moisture. (30-60 minutes.)

STEPHENS, A. WOODWARD, Hebron, Ohio.:

1. The Old Home Orchard.
2. Spraying for the Control of Insects and Diseases.
3. The Principles of Pruning.

4. Planting and Care of an Orchard.
5. A Country School for Farmers' Boys and Girls.
6. The Country Church; It's Opportunity in Our Changing Agriculture.

STOUT, W. H., Pinegrove, Schuylkill County, Pa.:

1. Manure and Fertilizers.
2. Bee Keeping.
3. Fruit Growing.
4. Geological Observations.
5. Potato Culture.
6. Alfalfa and Soil Inoculation.
7. Experience in Improving Poor Soil.
8. Unfair Taxation and Remedy. (30 minutes each.)

THOMAS, MISS SARA PHILLIPS, Wayne, R. F. D. No. 1, Delaware County, Pa.:

1. The Workshop of Our Homes. (20 minutes.)
2. Practical Helps and Useful Suggestions. (20 minutes.)
3. Some Phases of Sanitation. (20 minutes.)
4. Domestic Economy. (20 minutes.)
5. The Enlargement of Woman's Sphere. (Evening.) (20 minutes.)
6. Gleanings From Other Countries. (Evening.) (20 minutes.)

VAN NOY, LEON OTICE, Troy, R. F. D., No. 66, Bradford County, Pa..

1. Farming vs. Other Occupations. (60 minutes.)
2. Swine as a Side Line with Dairy. (15 minutes.)
3. Making Butter on the Farm. (25 minutes.)
4. The Silo. (25 minutes.)
5. The Dairy Cow. (30 minutes.)
6. The Care of Milk. (15 minutes.)
7. Soil Fertility. (25 minutes.)
8. How the Corporations Look at the Farmer. (40 minutes.)

WADE, C. B., Orangeville, Ohio:

1. Building Up a Dairy Herd. (40 minutes.)
2. Care and Management of the Dairy Herd. (45 minutes.)
3. Feeding the Dairy Cow. (30 minutes.)
4. Management of a Retail Milk Dairy. (30 minutes.)
5. Beef Making for Eastern Farmers. (40 minutes.)
6. Types of Horses for the Farmer to Breed. (45 minutes.)
7. What Constitutes a Model Farm. (40 minutes.)
8. The Country Boy's Opportunity. (Night.) (45 minutes.)

WAGNER, F. J., Harrison City, Westmoreland County, Pa.:

1. Soils and Soil Making. (15-20 minutes.)
2. The Business Side of Farming. (15-20 minutes.)
3. Dairying for Profit. (15-20 minutes.)
4. Clover and It's Cultivation. (15-20 minutes.)
5. The Farmer's Education. (15-20 minutes.)
6. Advantages of the Cream Separator. (15 minutes.)
7. The Choice of Feeding Stuffs. (20 minutes.)

WATTS, D. H., Kerrmoor, Clearfield County, Pa.:

1. Starting an Apple Orchard. (20-30 minutes.)
2. Methods and Management in the Apple Orchard. (30 minutes.)
3. Building up the Dairy Herd for Profit. (30 minutes.)
4. How to Feed and Care for the Herd. (30 minutes.)
5. How to Make and Sell Gilt Edge Butter. (30 minutes.)
6. Alfalfa in Pennsylvania. (20-30 minutes.)
7. The Farmer and the Road Problem. (20 minutes.)
8. Farm Buildings and Blunders. (30-35 minutes.)
9. Our Education. (30-35 minutes.)

WELD, R. J., Sugargrove, Warren County, Pa.:

1. The Rotation of Crops. (30 minutes.)
2. Some Losses from Manure Piles. (20 minutes.)
3. Improving the Dairy Herd. (30 minutes.)
4. Buttermaking at Home. (20 minutes.)

WITTMAN, W. THEO., No. 1317 Linden Street, Allentown, Lehigh County, Pa.:

1. Outlining Some Newer and Better Methods of Poultry Keeping.
2. Better Poultry Stocks.
3. Better Poultry Feeding.
4. Better Poultry Houses (Large Photographs.)
5. Winter Eggs or How to Make Hens Lay in January.
6. Educating the Poultry Keeper. (40 minutes each.)

WOLFF, WM. H., care of International Correspondence School, Scranton, Pa.:

1. Common Insects and Their Control. (35 minutes.)
2. Common Plant Diseases and Their Control. (30 minutes.)
3. Growing Early Vegetables. (30 minutes.)
4. Potato Culture. (30 minutes.)
5. Peach Culture. (40 minutes.)
6. Feeding the Apple Orchard. (40 minutes.)
7. A Vacation Trip to the Bermuda Isles. (40 minutes.)

WOODMAN, S. PAUL, Rushland, Bucks County, Pa.:

1. Economical Use and Care of Barnyard Manure.
2. Peaches; How to Grow Them.
3. The Clover Question.
4. The Farmer's Orchard as a Source of Pleasure and Profit.
5. Profitable Dairying.
6. The San José Scale.
7. Commercial Fertilizers. (20-30 minutes each.)

ZEIGLER, MRS. SARAH B. F., Duncannon, Perry County, Pa.:

1. Practical Ways for Farmer's Wives to Make Money.
2. The Wife a Partner.
3. Some Lessons from Nature.
4. Our Country Homes.
5. The Social Side of Farm Life.
6. The Farmer of the Future in the Child of Today. (20-30 minutes each.)

DEPARTMENT LECTURERS.

In so far as time and circumstances will permit, the officers of the Department of Agriculture are desirous of engaging in Institute work.

In order to prevent disappointment in the arrangement of programs, it is recommended that Institute Managers first consult the individual whose services they may wish to secure, before placing his name on the program.

Department lecturers come to these Institutes free of charge, except that they are to be taken from and to the railroad station at the expense of local manager. The topics which they will discuss can be procured by addressing the following officers of the Department of Agriculture:

HON. N. B. CRITCHFIELD, Secretary of Agriculture.
HON. A. L. MARTIN, Deputy Secretary and Director of Institutes.
JAMES FOUST, Dairy and Food Commissioner.
PROF. H. A. SURFACE, Economic Zoologist.
DR. S. H. GILLILAND, State Veterinarian.

BIOGRAPHICAL SKETCHES OF THE INSTITUTE LECTURERS

H. M. ANDERSON was born August 26th, 1874, on the farm which he has recently purchased from his father. He graduated from the York Collegiate Institute in 1894, since which time he has devoted practically all his time to agriculture. Has been for quite a number of years growing very profitable farm crops in what has until very recent years been called the York County Barrens. He is particularly interested in growing alfalfa, potatoes and corn and is doing experimental work with these crops; has an apple orchard of which he is very proud and is a close student of modern methods of increasing soil fertility.

M. S. BOND was born on a farm in Montour county, Pa., February 26, 1834; lived and worked on a farm until eighteen years old, then taught school seven years, then was employed as a freight and passenger conductor for nine years, and travelled as lost freight and car tracer and purchasing agent for the Delaware, Lackawanna and Western Railroad Company for five years. Has been for over twenty-five years engaged in farming and market gardening; during a part of this time, engaged in breeding and raising blooded Jersey cattle and still keeps some of the best in the State; has made the raising of potatoes by the thousands of bushels a specialty for twenty-five years; has been and is now using more fertilizer to the acre than any man in his county, and is now making gardening a specialty.

JOHN WESLEY BRUCKART was born on his father's farm in West Hempfield township, Lancaster county, Pa., in 1857. Received a common school education and taught school in his native county a number of years. His health failing he farmed the home place and began the raising of pure bred fowls. A dozen years ago he secured a place of thirteen acres adjoining Lititz borough. Here he has combined the business of market gardening and the growing of pure bred poultry with marked success. The annual income from his thirteen acre farm exceeding the income of the majority of farms ten times as large.

CHARLES M. BARNITZ began the study of poultry culture twenty-five years ago and now conducts a model up-to-date poultry plant at Riverside, Pa., and is a recognized authority on poultry. His success and expert articles in the poultry press of the United States and Europe attracted the American Press Association, the greatest newspaper syndicate in the world. He accepted a place on their staff as editor and artist of their poultry feature, and his poultry writings are now read by millions of people throughout the United States. His modern and extensive plant at Riverside, is a practical and profitable one, and interesting experiments with land and water fowl afford much valuable data for platform and press.

MISS ADALINE C. BAKER was born on a farm in Delaware county, Pa., but much of her life has been spent on a large dairy farm in Chester county, which she operated for several years. She was educated in public and private schools and at Mount Holyoke. Prior to her management of the farm she taught school, and while farming, was school director. She was identified with state legislation for country children which resulted in the present High School Law, and she is now interested in the development of educational extension work in the rural districts of Pennsylvania.

FREDERICK E. BONSTEEL was born at Huntington, W. Va., in 1876, of New York and New England parentage, educated at Ten Broeck Academy and Cornell University. His early life was spent on a dairy and grain farm in western New York, with the exception of a few years practice of pharmacy. In 1900 he entered the Bureau of Soils of the U. S. Department of Agriculture as soil expert, remaining in charge of survey parties until 1905, when he transferred to Soil Management, associated with Prof. F. D. Gardner, now of the Pennsylvania State College. In 1906 he took up editorial work along agricultural lines with Doubleday, Page & Co., of New York City, resigning that position two years later to take up the problem of reclaiming some of the worn out and practically abandoned farms of North-west Pennsylvania on his own account. He is now operating 250 acres in dairy, stock, grain and fruit; having more than doubled the natural yields of the common crops in two years.

FRED W. CARD was born at Sylvania, Pa., in 1863. Attended the common schools and the Mansfield State Normal, from which he graduated in 1880. He taught three years in the public schools and took a business college course, after which he spent five years in gardening and small-fruit growing. In the fall of 1889 he entered Cornell University and completed the regular course in agriculture in 1892. He was then granted a fellowship and remained for graduate work the following year, receiving his master's degree in 1893. He was appointed assistant in horticulture at the Cornell University experiment station, but resigned in a short time to become associate professor of horticulture at the University of Nebraska, remaining in this position for five years. In 1898 he became professor of horticulture at the Rhode Island College of Agriculture and Mechanic Arts, and in 1891 professor of agriculture as well. This position he resigned in 1897 to engage in actual farming on the farm where he was born, which he had purchased while in Nebraska.

J. T. CAMPBELL was born in Springfield township, Fayette county, Pa., December 18, 1872; is the son of a prominent farmer; received his early education in the public schools of his native district; left the public schools with a more than average education, and at once took up the study of agriculture at home, while working on his father's farm; he studied carefully all leading books and journals of his day. Married in 1894, and took up gardening and poultry culture, and was successful from the start. When the Pennsylvania State College started it's correspondence courses in agriculture he took up the work and has since pursued same with diligence. Owns a large farm in Crawford county, upon which he has worked out many important agricultural problems. In poultry culture he has been exceptionally successful, having made it a subject of special study, together with soil physics. Keeps in close touch with the State Experiment Station and the National Department of Agriculture; has written some for various agricultural and poultry journals.

DR. MILTON E. CONARD was born in southern Chester county, in 1851, of an ancestry of successful agriculturists. He obtained his education in the public and high schools and Millersville State Normal School. He was for some years engaged in farming in his home locality; later taking the course in veterinary medicine at the University of Pennnsylvania, graduating in 1891, in which institution he has for several years been lecturer of Dairy and Milk Inspection and Veterinary Obstetrics. Throughout his veterinary career he has been closely identified with dairy interests, practicing for some years in a dairy locality, and having for over ten years given his entire time as Inspector and Consulting Expert for a large number of the dairies furnishing milk to the City of Philadelphia from Pennsylvania, New Jersey, Maryland and Delaware.

M. N. CLARK was born near Export, Westmoreland county, Pa., July 16, 1848; received a good common school education, with several years at an academy and a full course at Duff's Commercial College, at Pittsburg; has always taken much delight in farming; is a close observer, and for many years has taken an active interest in agricultural affairs of his county; the cause of education has always found in him an earnest supporter; has been engaged in general farming from boyhood, except a few years spent in selling implements; was several seasons in the fruit growing regions of the south, and there gained much information in the use of commercial fertilizers and fruit growing; was a member of the State Board of Agriculture for ten years, and at present is looking after the interest of his farm.

JOHN W. COX was born in New Wilmington, Lawrence county, Pa., December 28, 1868; received a common school education and completed a course at Duff's Commercial College, Pittsburg; has spent all his life upon the farm; is a breeder of Jersey cattle and Barred Plymouth Rock and Rhode Island Red poultry; wheat, oats, corn, hay and potatoes are his principal crops. He is employed part of the time by the Division of Zoology, Department of Agriculture of Pennsylvania, as an Orchard Inspector.

NORMAN BRUCE CRITCHFIELD was born in Somerset county, July 20th, 1838; was educated in the public and normal schools of his native county, and at the Ohio University, located at Athens, Ohio; he is by occupation a farmer; during the Civil War he served nine months in the One Hundred and Seventy-first Pennsylvania Militia, and at the close of his term entered the Twenty-eighth Pennsylvania Volunteers, with which regiment he continued until the close of the war; he has held in his own county the position of school director, county superintendent of public schools, prothonotary and clerk of courts; elected to the Senate, November 4, 1890; appointed judge in the Department of Agriculture at the World's Columbian Exposition in 1893, and served as vice-president and chairman of the board of judges in said department; was re-elected to senate in 1894, and appointed Secretary of Agriculture February 24, 1903, and re-appointed by Governor Stuart February 25, 1907.

ELLERY E. CALLAHAN was born in Brown township, Lycoming county, Pa., November 20, 1863; removed to Tioga county with his parents and five brothers; where he attended the district school winters, doing chores for the neighbors to pay for his board. Commenced work by the month on the farm, by which means he was able to save and give one thousand dollars to his parents at the age of twenty-two. He bought a farm of eighty-six acres of what is known as cut-over lands, giving a mortgage for the whole amount. In 1887 he married Miss Amelia R. Statts, and they developed this hillside farm into one of the most productive hill farms anywhere. Their products were Chester White pigs, Plymouth Rock chickens, strawberries, and plants, giving special attention to building up their dairy interest, using Durham cows for the purpose; with this herd they were able to build up the best private butter trade in the county and won three diplomas and two silver cups at the Pennsylvania Dairy Union Conventions. Having a desire for more room and a better locality, he traded this hill farm the present spring to one of what is known as New York State Abandoned Farms at Ferenbaugh, N. Y., consisting of 450 acres; where he moved with his best farm crop, three boys and five girls. He expects to develop this farm into a department farm; as he is a firm believer in keeping the boys on the farm.

ARABELLA CARTER, 1305 Arch St., Philadelphia, Pa., was born in Byberry, Philadelphia, on the farm which is yet her home. Educated at Byberry Friends' School and Swarthmore College. Interested in literary work she took a special course in journalism, securing her diploma in 1899, now being connected with the Philadelphia North American. For ten years she has been business manager of the Universal Peace Union. Though boarding in Philadelphia she is joint owner with her brother of the old homestead and actively interested in all changes and plans for improvement. Elected school director, she is the first woman in her locality to serve in this capacity.

WELLS W. COOKE was born in Massachusetts and removed at an early age to Wisconsin. Educated in public schools and graduated in 1879 from Ripon College. Taught in public and private schools and for four years had charge of the farm work in industrial schools. Professor of Agriculture in the University of Vermont and Director of the Vermont Agricultural Experiment Station for seven years. Professor of Agriculture for seven years at the State Agricultural College of Colorado. One year at the State College of Pennsylvania in connection with the Correspondence Course in Agriculture. At present connected with the United States Department of Agriculture at Washigton.

CHARLES T. CORNMAN was born in Carlisle in the year 1863. His first venture in poultry breeding was White Crested Black Polish, and he bred them for some years but has not bred them for the last twenty years. Next he selected the Dorkings and bred them for several years with but little success. For many years he had a farm devoted to the breeding of White Plymouth Rocks, Pekin Ducks, White Duchess Pigeons and White Holland Turkeys. He has judged for six years at the largest poultry shows in the United States, and the additional honor of having a gold medal of the first class and a commemorative diploma conferred on him by the Universal Exposition for his work in connection with the greatest gathering of pure-bred poultry ever seen. Last winter delivered a series of lectures on poultry culture at the University of West Virginia and has been doing considerable educational work for the Farmers' Institutes, Grange Fairs and meetings.

J. D. DETRICH'S knowledge of agriculture, as a science, dates from 1882, since which time he has been availing himself of all the bulletins, magazines and books relating to soil, crops, dairying, breeding, feeding and rearing of dairy animals. This, together with information furnished by the colleges and experiment stations, he has put into practice, and the result has been a satisfactory and profitable system of extensive farming.

W. M. C. DRAKE was born in Lawrence county, August 16, 1860. He was educated at the public schools and a Normal School at New Castle, Pa., passing a teachers' examination. He has spent all his life on the farm; was president of the Farmers' Alliance in Lawrence county one term. He has been for several years past in partnership with his brother, operating 600 acres of land, besides a market garden and an extensive orchard.

E. B. DORSETT was born on a farm in Richmond township, Tioga county, Pa., February 17, 1868. He received a common school education in the district where he lived, then attended the Mansfield State Normal School, from which he was graduated in 1896. Ten years were spent teaching during the winter months and farming during the summer. With the exception of six years spent in the Sheriff's Office at Wellsboro, he has always lived and worked on the farm. At present, he and his brother, S. C. Dorsett, own and operate a large farm in Mansfield borough, making dairying a specialty. His work in the Grange as State Lecturer, has brought him in close touch with the farmers and farm operations throughout the State, and has given him a fund of knowledge that will be useful to him in his work as an institute worker.

ELMER E. DOCKEY was born on a farm in Dauphin county, March, 1880; attended the public schools and the Berrysburg Seminary; afterwards took a business course from Shissler's Business College, Norristown, Pa.; worked as traveling salesman. Took a correspondence course from State College, Pa., and worked on his father's farm for a number of years. Has been managing his father's farm for the last eight years with good results, as there are now three blades of grass grown where none grew before. At present is engaged in general farming and meeting with good success.

I. A. ESCHBACH was born May 19 1854, at Fallowfield, on the farm he now owns near Milton, Northumberland county, Pa. His education was in the common schools, with a little finishing up at Academy at McEwensville, Pa. Married at twenty-one and has always been engaged in farming, has always taken an active interest in local affairs of his section, serving as school director for thirteen successive years; served as President of Board of Directors of Milton Fair Association; is at present chairman of good roads movement in his own county and member of State Board of Agriculture in same. He has been a success as a farmer and stock raiser. Breeding-horses, cattle and sheep and hogs, together with raising all the general farm crops raised in his section. He has always taken active interest in Institute work in his county and is at home on all agricultural topics.

F. H. FASSET, Meshoppen, Pa., was born June 3, 1855, in Windham township, Wyoming county, Pa.; moved to Meshoppen township in 1869, to the farm where he now resides; was educated in the common schools and a course in select schools in Meshoppen borough; has been actively engaged in the growing of tree fruits with marked success for the last twenty-five years; all up-to-date metbods of orchard treatment, spraying and pruning have been in use; took up the business of growing small fruits for the market some 12 years ago and has met with fair success. Is President of Wyoming County Horticultural Society and in close touch with the fruit interests of this section.

WILLIAM FREAR was born in 1860, in Reading, Pa. He was educated in the public schools of that city and of Norristown, entered the preparatory and later the collegiate department of Bucknell University, graduating in 1881; pursued a post-graduate course at Illinois, Wesleyan and Harvard Universities. Spent the growing season of the year during his childhood and youth at work upon a Pennsylvania farm; was made Assistant Chemist to the United States Department of Agriculture, 1883-5, and was engaged in sugar beet products and cereals. In 1885 he was elected professor of agricultural chemistry in the Pennsylvania State College, and in 1887 was made vice-director and chemist to the Pennsylvania State College Experiment Station. In 1888 he was elected chemist to the Pennsylvania Board of Agriculture, and in 1895 chemist to the Pennsylvania Department of Agriculture. He was also president of the National Association of Agricultural Chemists.

J. H. FUNK, M.D., 6th generation from Bishop Henry Funk, who emigrated from Holland in 1719, was born in Lower Providence, Montgomery county, Pa., was brought up on his father's large dairy farm; attended public schools in the winter. In 1859-1860 attended Freeland Seminary (now Ursinus College); began the study of medicine in the spring of 1863 and received his diploma as Doctor of Medicine from the University of Pennsylvania in the spring of 1865; opened the first drug store in Boyertown and run it several years in connection with the practice of medicine. Served several years as the Burgess of Boyertown, also as Town Councillor and eight years as School Director. Always being in love with horticultural pursuits, he planted a large orchard in 1879. In the year 1896, he planted another apple and peach orchard and has continued planting until he has about fifty acres of the most profitable orchards in the State. Such a thing as off year bearing is unknown in these orchards. Was several years Pennsylvania State Pomologist. He wrote Bulletin No. 152, Fruits for Pennsylvania. He is now devoting his entire time to raising fruit on the best modern principles. In winter he has been for a number of years on the lecture force at Farmer's Institutes.

JEAN KANE FOULKE was born in Wilmington, Delaware. Was educated at the Misses Hebb's School of that city. Removed to Philadelphia and became a private teacher for two years. Married George Rhyfedd Foulke in 1888 and removed to the mountains of North Carolina. After two or three years residence there they removed to the old Foulke homestead in Chester county, Pa. Here they became actively engaged in farming; joined the Grange and other agricultural associations. Since her husband's death in the autumn of 1901, Mrs. Foulke has continued the management of her own farm and in addition that of other places in her vicinity.

SHELDON W. FUNK was born in Boyertown, Berks county, Pa., May 7, 1888. He has a good high school education and also took a course at Perkiomen Seminary. From childhood he had been brought up among truck and fruit; five years of which were spent in Florida in the same vocation. For the last three years he has been in the greenhouse truck and fruit business with his father. Has had thirteen years experience in the greenhouse, among the vegetable plants and the common flowers.

PROFESSOR FRANK D. GARDNER, head of the Department of Agronomy of the Pennsylvania State College and Experiment Station was born and raised on a farm in Illinois and graduated from the College of Agriculture of the University of Illinois in 1891. For four years after graduation he was Assistant Agriculturist to his alma mater. He then served the National Department of Agriculture as Field and Laboratory Assistant, as Director of the Porto Rico Experiment Station and Chief of the Division of Soil Management. From the last named position he came to State College in his present capacity.

SAMUEL HOWARD GILLILAND was born on a farm in Centre county, in 1877. He was educated in the public schools and Bellefonte Academy of his native county, Millersville State Normal School and the University of Pennsylvania. He was graduated from the University of Pennsylvania Veterinary School in 1901, and from the medical department of the same university in 1904. On four different occasions he has spent much time studying in the veterinary schools of Europe, making a special study of comparative pathology and infectious diseases of animals. In 1898 he was appointed assistant bacteriologist to the State Livestock Sanitary Board of Pennsylvania and upon the resignation of Dr. M. P. Ravenel in 1904, he succeeded him to the position as bacteriologist to said Board. For two years he was demonstrator of bacteriology in the Veterinary School of the University of Pennsylvania. During his connection with the laboratory of the State Livestock Sanitary Board a number of articles upon tuberculosis of cattle were published by him in conjunction with Dr. Leonard Pearson and Dr. M. P. Ravenel. He is a member of a large number of veterinary and medical societies. In November 1909 he was appointed State Veterinarian and Secretary of the State Livestock Sanitary Board to succeed the late Dr. Leonard Pearson.

C. L. GOODLING was born in Loganville York county, Pa., in 1885. He attended the public schools and York County Academy; entered the Pennsylvania State College 1903 and graduated 1907. After graduation was Assistant in the Dairy Husbandry Department, Pennsylvania State College, until December, 1909; since December, 1909, Superintendent of the Farms of the Pennsylvania State College. State College, Pa.

JOEL A. HERR was born in Clinton county, Pa., and educated in the public schools and at Dickinson Seminary. He served in the Civil War and has been a student, teacher and farmer all his life. He lives on his farm and gives special attention to fruit culture and stock raising. He is a member of he State Board of Agriculture.

GEORGE E. HULL, the subject of this sketch, a number of years ago moved upon a worn-out farm without buildings in Mercer county. By industry, perseverance and intelligent effort he has succeeded in restoring it to the highest state of fertility; has placed thereon substantial and convenient farm buildings, and educated his children, without other income than derived from the farm. His silos, stock scales, farm implements and improved live stock are the admiration of all progressive farmers.

EDWARD K. HIBSHMAN was born and raised on a tobacco farm near Ephrata, Lancaster county, Pa. After completing the course in the Ephrata Schools, he entered the Pennsylvania State College and graduated from that institution in 1909, with the degree of B. S. in Agriculture. Since that time he has been employed by the Pennsylvania State College as Field Assistant to the Department of Experimental Agricultural Chemistry, and has been in charge of the field work of the tobacco experiments. In the spring of 1910 he was appointed a special Collaborator in the tobacco investigations of the Bureau of Plant Industry, Washington, D. C.

A. J. KAHLER was born in Hughestown, Pa., in 1834; was educated in the public schools and afterwards taught school in his native county; has always lived upon a farm, has filled every local office in his township, was a member of the Legislature in 1891-1892; was president for six years of the County Agricultural Society; is a member of the State Board of Agriculture, and has been identified with most of the leading farm organizations of the State.

HOMER W. JACKSON was born in Ohio; raised in town and knew nothing of farming until about 21, when he moved with his parents to a farm in Guernsey county. He did some market gardening, fruit growing and general farming and kept developing his poultry flock. For the last ten years he has given his attention almost entirely to poultry and small fruits. For the last seven or eight years his time has been occupied mainly with investigation work in poultry. His farm being known as "The National Stocksman and Farmer Poultry Experiment Farm." He took charge of the Division of Poultry at Pennsylvania State College and Agricultural Experiment Station last September. Was elected vice-president of the state branch of the American Poultry Association at the last election.

R. P. KESTER was born in Clearfield county, Pa., January 18, 1867. He now resides on the farm which his maternal great grandfather "toop up" and partially cleared nearly 100 years ago. It was farmed for 80 years in the old way and the fertility was depleted until it was one of the worn-out farms. During the past few years Mr. Kester and his younger brother have been farming and dairying by modern methods, until now even five blades of grass grew where one grew before. Their leading business is dairying, although fruit, poultry and trucking receive attention. He was fifteen years a teacher and always a close student. And by learning from others and by experiments is making the homestead farm pay.

FRANK KLINE was born 1869 in Spring City, Chester county, Pa., of Pennsylvania born parents. Not being so fortunate as to be born and raised on a farm, having lived in a farming district he has been an observer of nature's works and while young took a great fancy to chickens and pigeons, which he has bred since twelve years of age. In 1895 he began to breed pure breed chickens both for utility and fancy. As a fancier he has exhibited in many of the largest shows in the United States, winning hundreds of regular and special prizes. At present his specialty is R. C. Rhode Island Reds, which have been handled with success for several years with the early hatching and rearing of chicks for both market and winter egg producers a special feature. His breeding yards are about his home in Spring City, where the public who are interested in poultry culture are welcome at all times.

PROFESSOR CARL W. LARSON was born in Mitchell county, Iowa, May 29, 1881. He was educated in the public schools of St. Anagar. In 1889 he graduated from the St. Anagar Business College, returning the same year to his father's farm. He entered the Ohio State College in 1901. The first two years he devoted to a study of General Science, and followed this with three years general agriculture, graduatig in 1906. During his course, much time was devoted to dairy work, and in 1907 he completed a post graduate course at the same institution,, specializing in Dairying. While in college he was an assistant in the dairy department. After leaving college he worked in a large co-operative creamery in Minnesota. He also made cheese in a Wisconsin factory. Last year he was appointed by the Agricultural Department at Washington as inspector of butter for the United States Navy. He now holds the position of Assistant Professor of Dairy Husbandry at the Pennsylvania State College.

J. H. LEDY was born in Marion, Franklin county, Pa., August 3, 1864, and received his education in the common schools of Guildford township, and at the Chambersburg Academy. After leaving school he engaged in the mercantile business for seven years at Marion and Waynesboro, Pa. In the spring of 1889 he accepted a position with S. Smucker & Co., wholesale grocers, of Philadelphia. He remained with this firm for four years, when he was elected register and recorder of Franklin county, after which he became half owner and business manager of the People's Register, of Chambersburg, an independent journal of large circulation. He now owns and superintends 151 acres of apple trees, inlaid with peaches and plums. Mr. Ledy is a practical fruit grower, who loves the work and has turned his whole attention to it.

L. W. LIGHTY was born in York county, Pa., 1857; attended the public schools of his neighborhood; afterwards attended a select school in Adams county and then taught school for seven winters. During this time he attended the York County Academy one term and also attended the State Normal School and at Millersville. He then kept store, but not liking the business he got out of it and started in the poultry business, keeping both market and fancy poultry, and engaged in bee keeping and the culture of small fruits. In 1893 he purchased the farm upon which he now lives. The land was worn out and the buildings quite dilapidated. He has improved this until it is now one of the best farms in his county. He has a large library of standard books, keeps a selected dairy of cows, and has all the modern improvements needed to equip a first-class farm.

D. K. MURRAY, A. M., Ph. D., was born 41 years ago at Liverpool, Pa. His education was received in the public schools of the state. He graduated from the Lock Haven Normal School, also from Taylor University with the degree A.B. His post graduate work was done at University of Chicago. Dr. Murray taught in the public schools of the state for eight years. For eight years he lived in the west and while there co-operated with Pres. Chalmers of the Agricultural College of S. Dakota in a crusade of education among farmers, which has resulted in that state coming to the front not only in wheat but other cereals. Dr. Murray urged upon the farmer the necessity of soil conservation and the future of fruit culture. This he did while following his profession. He has always been actively interested in agricultural and horticultural pursuits. For nearly two years he has been working in the Department of Agriculture, Division of Zoology, giving all his time to this work. He has risen to the first rank as an intelligent and painstaking investigator. In his district his services are constantly in demand by grangers and farmers' alliances.

W. H. McINTIRE was born in Wilmington, North Carolina. Graduated from the North Carolina Agricultural College, 1905. After graduation he was engaged in sanitary water analysis in the North Carolina Laboratory of Hygiene, from 1905 to 1907. Excepting a brief period devoted to commercial work during 1907, he has been employed at the Pennsylvania Experiment Station with Dr. H. P. Armsby in Nutrition work and in Department of Agronomy upon soil analysis. Degree of M. S. from Pennsylvania State College, 1909.

MRS. GEO. E. MONROE graduated from Geneva, N. Y. State Normal School Classical Course. Taught two years in Dryden High School. Has lived in her present home, a farm of 60 acres, for the past twenty-five years. Before the College of Agriculture was founded at Cornell, she assisted Prof. W. W. Wing in carrying on poultry experiments. Since then she has regularly lectured to the poultry classes, being there for "Farmers' Week" also. For three years she was on the Poultry Institute staff with Prof. James E. Rice, conductor. She has twice been to Connecticut State Meetings and for several years has been Institute Lecturer in this State. Has bred and exhibited Single Comb Black Minorcas for 21 years exclusively; taking high premiums at Boston, New York, Newark, N. J., Atlantic City, Pan-American and St. Louis Expositions. Has also raised ducks and turkeys.

CLARENCE C. McCURDY was born in Crawford county, Pa., September 25, 1885. He received his early education in the high schools of his home town. Successfully completing the correspondence courses in agriculture of the Pennsylvania State College, he then went to the Michigan Agricultural College, where he spent two years in taking a special course in general agriculture and poultry husbandry. After finishing the course there he spent the first year in superintending a poultry and truck farm near Pittsburg. Returning home where he is now giving special attention to poultry as a profitable side line on the farm and showing his ability to improve the fertility of the soil and grow better crops and more of them.

MALCOLM H. McCALLUM is a Berks countian by birth, born, however, of Scotch parentage, and "dyed deep in the wool" in truck and fruit raising, his father, James McCallum, being the pioneer celery and fruit grower for the Reading markets. He is in the prime of life. He was educated in the common schools of Berks county, Pa., Butler University, Indianapolis, Indiana, and the University of Pennsylvania, Philadelphia, Pa. In 1904 he was chosen farm and garden superintendent of State Asylum, Wernersville, Pa., which position he now holds.

THOMAS I. MAIRS spent his early life upon a stock farm and graduated from the College of Agriculture of the University of Missouri in 1896. He took graduate work at the Michigan Agricultural College, the University of Illinois, and the University of Missouri. He was superintendent of field experiments at the University of Illinois in 1896-7, and Assistant in Agriculture at the University of Missouri from 1897 to 1901. Since 1901 he has been connected with the Pennsylvania State College, as Assistant Superintendent of Correspondence Courses and Assistant Professor of Animal Husbandry. He has taught dairy and animal husbandry and has had charge along the experiment work along these lines.

M. S. McDOWELL was born in Mifflin county, Pa., attended the public schools, and Lewistown Academy; entered Pennsylvania State College in 1888, and was graduated in 1892; after graduation was connected with a fertilizer manufacturing establishment in Baltimore, and later came to the Chemical Department of the Experiment Station, with which he has been connected for some years.

A. L. MARTIN was born near Mount Jackson, Lawrence county, Pa., 1844; received his education in the public schools and at Poland (Ohio) College; served as a school director in his native township and that of Little Beaver for eight years; filled the position of census enumerator in 1890; was elected to the House of Representatives in 1892, and served continuously until 1899; was during this continued service a member of the Agricultural Committee, and acted as it's chairman in the session of 1897; by appointment of Governor Pattison, in 1893, became member of Farmer's National Congress, and has been re-appointed to same position by all subsequent governors. Was appointed by Governor Stone, April 24, 1899, Deputy Secretary of Agriculture and Director of Farmer's Institutes for Pennsylvania, and re-appointed by Governor Pennypacker, April 24, 1903, and also by Governor Stuart, April 24, 1907.

PROF. FRANKLIN MENGES, Ph. D., was born forty-six years ago at Menges Mill, York county, Pa.; the first nineteen years of his life were spent on his father's farm with all the ardour that farming meant in those days; he then began a course of preparation for college at the Baugher Academy, Hanover, Pa., and entered and graduated from Pennsylvania College, Gettysburg, with the class of 1886; was immediately tendered and accepted the position of assistant professor of chemistry in his Alma Mater, which position he held until 1896, when he came to York and took the professorship of the sciences in the York High School, which position he now holds; received the degree of Ph. D. from his Alma Mater for special work in chemistry, mineralogy and physics. He has for years been a student of the "Experiment Station Record," and has continued an interest in practical agriculture and has lectured before Farmers' Institutes.

HENRY W. NORTHUP was born on a farm in Abington, once considered the banner agricultural township in Luzerne county; he was educated in the public schools and at Madison Academy. His chief business is that of farmer and dairyman; has been greatly benefited in this line of business for the last ten years by being associated with some of the best and most practical agriculturists in this and adjoining states in the institute work; has had some experience in fruit and market gardening and in disposition of these products in the city of Scranton, where an excellent market has been secured.

PROF. WM. G. OWENS, of Bucknell University, was born in Union county; received his early education in the public schools of Lewisburg, Pittsburg and Allegheny City. Entered Bucknell University in 1876; was graduated 1880; took his A. M. in 1883; taught in Bucknell University five years after graduation. In 1885 he became instructor in natural sciences. Took special work at Harvard and Berlin, Germany. In 1887 became professor of chemistry and physics, the position which he now holds. Has spent almost all his vacations on a farm and thus kept in close touch with Nature.

J. H. PEACHEY was born in Mifflin county, Pa., in 1852; his early life was spent on the farm which he now owns; received his early education in the public schools; taught school for a number of terms in Pennsylvania and Ohio; graduated in the scientific course from the Ohio Normal University of Ada in 1881. Continued teaching until driven from the school room because of ill-health; he began farming in 1887. Following general farming for a few years, he began specializing in the dairy-making butter for a special trade; and growing hogs. Disposing of his dairy a few years ago, his attention is directed toward the growing of the peach and apple. He is deeply interested in the new agriculture, believing that clear thinking and right living will elevate the farmer.

DR. W. T. PHILLIPY was born in his father's farm in Antrim township, near Greencastle, Franklin county, Pa., February 25, 1863. Received his early education in the public schools and Zeyler's Academy at Greencastle, Pa.; during summer season worked on the farm. March 28, 1884, received degree of M. D. from Jefferson Medical College, Philadelphia; came to Cumberland county, and practiced medicine successfully until about 1902, when he purchased a worn out farm near Carlisle, Pa., and proceeded to use modern and scientific methods and soon made it one of the best producing farms in that community; and since has bought another farm near and is now supervising the two farms and giving his time to scientific and practical farming in all it's branches, including stock raising. He has filled a number of postions of trust and is a student of agriculture and keeps abreast of the best methods for successful tilling the soil.

THOMAS J. PHILLIPS was born upon a farm in Chester county, Pa., December, 1846; attended public and private schools and graduated from Bucknell University in 1867; spent three years in manufacturing iron, and traveling, and then settled upon the farm where he still lives, giving special attention to dairying and raising dairy stock, but devoting much of the 200 acre farm to the production of mixed crops, suitable to that locality and market. That he had been a success is attested by the fact that he has been a director in a national bank for many years, a manager in one of the largest fire insurance companies in the state, and of building and loan association; served two years in the State Legislature, as a representative of the farming interests; he has contributed acceptably from time to time of his experience to the agricultural press, and in every way has kept in the front among the most progressive of his locality, believing in higher education, attractive country homes, and that success is the result of individual effort and judgment.

E. L. PHILLIPS was born on his father's farm in Clarion county, Pa. Was educated in the common schools and a course in the High School at Reid Institute, Pa. Since then he has studied extensively in agriculture. Was married in 1885, after which he devoted his time to agriculture, owning and operating his 200 acre farm with profit to himself. Said farm is in Clarion county, Pa. He has devoted his farm chiefly to the production of fruits, live stock and grain suitable to that location and market. He has been an experimenter with various plant foods. His real estate holdings and commercial standing are a strong recommendation to himself and to the farm.

J. P. PILLSBURY was born at Buena Vista, Ohio, in 1873. He was educated in the common schools of that state and the high school of Newark, Ohio. By competitive examination he secured a scholarship in the Missouri Botanical Gardens and Shaw School of Botany, St. Louis, Mo., where he completed a full four year course of practical and scientific instruction in all branches of horticulture. After his graduation he became the head gardener of the Pennsylvania State College and Experiment Station and was promoted to assistant in horticulture in 1898, which position he still holds. Mr. Pillsbury has had unexcelled opportunities for the study of the practical problems in horticulture and has written several bulletins and reports of his experience with fruits at the Experiment Station.

WARREN G. ROSS was born at Dunkard, Greene county, Pa., November 22, 1883. Early life spent on the farm; prepared for college at the West Virginia University Preparatory School, 1900-1904. Extended the course in agriculture at the Pennsylvania State College February, 1905, graduated June, 1908. Was instructor in Agronomy at College Hawaii, Honolulu 1908-1909. At present he is assistant in Agronomy at the Pennsylvania State College. Summer of 1910 engaged in field work for Bureau of Soils.

R. S. SEEDS was born in Huntingdon county, Pa., in 1852; was educated in the public schools and at the Shade Gap Academy. He was raised upon a farm and traveled for eighteen years among the farmers selling agricultural implements. In 1892 he bought a farm that had been run down, which he has greatly improved.

A. W. STEPHENS was born in Westmoreland county, Pa., and received college training in this state, after which he went to Cornell University and was graduated from there in agriculture in 1900. For eight years he managed a successful co-operative store and while at Cornell made a special study of co-operation among fruit growers. He was orchard instructor for the Division of Zoology. At present he is managing a fruit farm at Hebron, Ohio.

W. H. STOUT was born October 18, 1840, in Lower Nazareth township, Northampton county, Pa.; was educated in the common schools and engaged in various occupations, serving an apprenticeship at coopering and milling, at clerkship and traveling salesman; has lived on his present farm for the past twenty-eight years, and is engaged in general farming, trucking, fruit growing and bee-keeping; has acquired practical and scientific information by observation and study; speaks English and German.

HARVEY ADAM SURFACE, M. S., Economic Zoologist, was born on a farm in Warren county, Ohio, in 1867. He worked on the farm and attended and taught country school. He was educated in the Lebanon (Ohio) Normal, the Ohio State University, the University of Illinois, Hopkins (Stanford) California Seaside Laboratory and Cornell University. He taught in the Ohio State University, the University of the Pacific, Cornell, the Ithaca Schools, teacher's institutes and the Pennsylvania State College. He held a fellowship in Cornell and was also appointed Dykman Research Fellow in Columbia University. He was field naturalist for the Illinois State Biological Station and University Extension; lectured in New York. He has also been lecturer in Zoology at the West Coast Chautauqua Assembly and scientific assistant on the United States Fish Commission. He was appointed Economic Zoologist by Governor Pennypacker in 1903, and reappointed by Governor Stuart in 1907.

PROF. H. E. VAN NORMAN is a native of Ontario, Canada, and is now 36 years of age. He grew up on farms in Nebraska, Illinois and Michigan, and early became acquainted with pure breed livestock through his father's association with a large importer and exhibitor of Holstein cattle and English draft horses, and by attendance at the old Chicago Fat Stock Show. Was appointed farm superintendent at Purdue University Agricultural Experiment Station, Lafayette, Ind.; after four years in this work he was appointed Professor of Dairy Husbandry, Pennsylvania State College of Agriculture, which position he now holds.

R. J. WELD was born in Warren county, Pennsylvania, October 27, 1868; upon the farm which he now owns and operates. He is of Scotch-American parentage. His education was secured at the common schools and at the Sugar Grove Seminary, also at a business college. He received his agricultural education and training at the Pennsylvania State College and Experiment Station. He is actively egaged in dairy farming and endeavoring through breeding, weeding and feeding to build up a large herd. He keeps accurate records of the production of his cows, and is building up his farm through systematic cultivation and fertilization.

R. L. WATTS was born at Kerrmoor, Pa., June 5, 1869; raised on the farm of his father, Martin Watts, which farm was largely devoted to fruit culture. Entered Pennsylvania State College in 1887 and graduated from the Agricultural Course in June 1890. He was elected Assistant Instructor in Botany and Horticulture of the University of Tennessee and horticulturist of the Agricultural Experiment Station of this institution in September, 1890. Later he was made instructor in horticulture, following by Assistant Professor of Horticulture and Secretary of the Experiment Station. Besides the regular duties as secretary, he had charge of the Farmer's Institutes of the State, held under the auspices of the University and Station. He prepared programs, conducted correspondence and participated in the meetings. While at the Station he conducted various experiments with fruits and vegetables in the greenhouse and out of doors, the results of which have been published in bulletin form. He wrote Farmer's Bulletin No. 39 on "Onions," for the United States Department of Agriculture. For several years he was editor of the fruit and vegetable department of the "Southern Florist and Gardener." From 1899 to 1907 he was engaged in market gardening at Scalp Level, Pa., devoting winters to Farmer's Institutes in Pennsylvania, New Jersey and Maryland. In January 1908 he was appointed Professor of Horticulture of the Pennsylvania State College.

C. B. WADE was born at Orangeville, Ohio, August 15, 1881, on one of the best farms on the Western Reserve; was educated in the public schools of Orangeville, Hartford High School and New Syme Institute; after which he assisted his father for five years in the work on the home farm of 350 acres, which was largely devoted to the production of beef cattle. He then married and removed to Columbia, Mo., where he assumed the management of one of the largest and most successful dairies in the West, at the same time taking the course in agriculture at Missouri State University. In 1907 he returned to Ohio and purchased a farm adjoining the home farm, where he now resides; also operating a farm in Mercer county, Pa.

W. THEO. WITTMAN was born and raised on a farm in Lehigh county. Beginning there as a small boy he was particularly interested in poultry and fruit growing and has always since retained a strong interest in both these branches of agriculture. He spent a number of years as a newspaper man, constantly studying and working with both the poultry and fruit. His poultry has always been a success; either in the beginning in a small and a large way as a utility adjunct or later, when as a breeder of a popular variety of poultry, he stood supreme in this country and the fame of his particular line has reached around the world. Besides the above he is a poultry judge, with a national reputation, and his name is constantly appearing in the better class of poultry journals as a contributor to the poultry knowledge of the day. He has written several books on poultry keeping that are largely advertised and have commanded a big sale. As Superintendent Manager of the Poultry Department of the Lehigh County Agricultural Society for their Fair at Allentown, he has built up there one of the very finest and best displays of pure bred poultry to be seen anywhere in this country, greatly stimulating the interest in better poultry among farmers and others throughout eastern Pennsylvania and thereby enhancing the market value of their poultry and poultry products enormously.

D. H. WATTS was born near Kerrmoor, Pa., May 25, 1861; was raised on the farm of his faher, Martin Watts, and educated in the public schools, which schooling was supplemented by a few months attendance at the Indiana State Normal School. He always has been interested in farmer's organizations and served two years as President of the Clearfield County Agricultural Society. He located upon his farm in 1866 and erected thereon modern buildings and established a dairy plant, where fine butter for a special trade is produced. The growing of fruits is also a specialty. On his farm known as "Orchard View Farm," there are 3,000 apple, peach, pear and plum trees, all his own selection and planting.

WILLIAM HENRY WOLFF, B. S., Agr., was born in St. Georges, Bermuda Island, December 25, 1880. Entered the regular four year course in agriculture at the Pennsylvania State College, September, 1902, and completed the course with degree of B. S. Agr., June, 1906. During the last two years of college work specialized in horticulture. Appointed special field assistant to the Economic Zoologist of Pennsylvania during the summer of 1905, Special Orchard Inspector and Demonstrator for Division of Zoology, Department of Agriculture, Harrisburg, August, 1906 to March, 1907. Was director of farm at Elkton, Md.

S. PAUL WOODMAN was born on a farm near Rushland, Bucks county, Pa., where he has always lived. He was educated at a common public school, took a three years course at the George School, near Newtown, Pa. Upon leaving the George School in 1898 he went to work on his father's farm for wages, where he worked until he took entire charge of the farm in 1905. At that time he was taking a correspondence course in agriculture at State College, Pa. He is engaged in general farming, fruit growing and market gardening.

MRS. SARAH BARTRUFF FRITZ ZEIGLER was born near Manheim, Lancaster county, Pa. Later moved with her parents to Perry county. Was educated in the public schools, New Bloomfield Academy and Juniata Valley Normal School. Previous to her marriage she taught school six winters. From 1890 to 1902 she manufactured and sold large quantities of jelly to the New York, Philadelphia and Boston markets. Was an active member of Prospect Grange and always held an office in the organization. She has always been deeply interested in agricultural pursuits and since her husband's death has conducted her farm of 140 acres in an able manner, bringing it up to a high standard of production and adding improvements, believing that pleasant surroundings tend to a better and happier home life.